Dominion Resource Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
dom.com

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 14, 2015

Ms. Susan Mackert
Department of Environmental Quality
Northern Regional Office
13901 Crown Court,
Woodbridge, VA 22193

Re: Dominion - Possum Point Power Station – VA0002071
Placement of Ash Notification

Dear Ms. Mackert:

The following information is provided in accordance with Possum Point Power Station's VPDES permit VA0002071 Part I, Condition F.11. Dominion is providing this notice that we intend to begin mechanically dredging material from Ash Ponds A, B, and C to Ash Pond D. Placement of the material in Pond D will be completed prior to October 16, 2015. Dominion estimates that a maximum of 402,000 cubic yards of ash and soil materials will be dredged from Ponds A, B, and C to Pond D.

Sampling and analysis of the material in Ponds A, B, and C were conducted in accordance with Part I, Condition F.11(c). A sampling plan describing sample collection methods and analytical results using the forms provided in Attachment B of the permit are provided as attachments to this letter. All measured analytical results were below threshold levels listed in the permit.

Dominion would like to begin dredging operations as soon as possible in order to support the project schedule. To that end, we are requesting that DEQ waive the requirement to provide notice at least 30 days prior to the placement of material in Pond D and grant authorization to proceed upon review of this submission.

If you have any questions and/or comments regarding this information please contact Ken Roller, of Dominion Electric Environmental Services, at (804) 273-3494.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Cathy C. Taylor
Director, Electric Environmental Services

Attachments

File Name: **2015 7-14 PP Placement of Ash Notification**

Please send electronic renamed copy to:

David Craymer
Pam Faggert
Sidney Bragg
Cathy Taylor
Karen Canody
Ken Roller
Oula Shehab
Amelia Boschen
Jeff Heffelman
Jeff Marcell
Documentum: Possum Point P.S. / NPDES-Water / Compliance Reporting and Supporting Documentation

Ponds A, B, and C Sampling and Analysis Report

The work consisted of conducting in-situ dredge material sampling and analytical laboratory analysis at Ponds A, B, and C in accordance with the requirements of Condition I.F.11 of Possum Point Power Station's VPDES Permit (Permit No. VA0002071).

Project Background

Based on a review of the available information concerning pond construction and ash placement, it is estimated that Ponds A, B, and C contain approximately 335,000 cubic yards (CY) of ash. The depth of ash varies within the ponds, but it is estimated that the average thickness is approximately 10 feet.

As part of the clean closure activities planned for Ponds A, B, and C, ash is proposed to be mechanically dredged from the ponds and transported to Pond D. In order to meet the requirements of Condition I.F.11 of the VPDES Permit, the dredge material was sampled and analyzed.

Scope of Work

The Ponds A, B, and C sampling and laboratory analysis were completed in accordance with applicable state and federal guidelines, regulations, and requirements as applicable to the subsurface conditions encountered. The sampling and laboratory analysis evaluated the ash material for comparison to criteria established under Condition I.F.11 of the VPDES Permit.

In accordance with Condition I.F.11 of the VPDES Permit, for volumes greater than 300,000 CY, one representative sample is required for each 100,000 CY of dredge material. The sample should be a composite of the proposed dredge material to the depth of the intended dredge. Based on evaluation of the ash thickness and pond dimensions, the dredge volume from Ponds A, B, and C has been estimated to be approximately 335,000 CY. Using a volume estimate factor of 20% to account for additional volumes due to estimation error and over excavation of pond bottom material, the final estimated volume of dredge is 402,000 CY.

Based on an estimated 402,000 CY of dredge, and in accordance with the requirements of one sample per 100,000 CY of dredge material, a total of five representative samples plus one quality assurance/quality control (QA/QC) sample (six total samples) were collected.

Sample Location Determination

To facilitate collection of samples representative of the approximately 17.4 acre ponds and estimated thickness of ash, a total of five soil borings were advanced across Ponds A, B, and C. Boring locations were selected using a systematic random sampling technique in order to generate a representative sampling of the pond material. Soil boring locations were generated using the Visual Sampling Plan (VSP) Software. VSP is a software tool developed by Pacific Northwest National Laboratory (PNNL) for the United States (US) Department of Energy (DOE). The software was designed for selecting the right number and/or location of environmental samples so that the results of the statistical tests performed on the data collected via the sampling plan would have the required confidence for decision making.

Using the simple random sampling option of VSP, random sampling locations were generated within a pre-defined study area. Using the general perimeter of Ponds A, B, and C as the study area and specifying a total of five sample locations, a sample location map was developed. Black diamond symbols presented on the attached Figure 1 (Exhibit A) represent the sample locations generated using the VSP software.

Due to conflicts with overhead power lines, one sample location (ABC 3) was slightly adjusted. The final locations of adjusted samples are presented as blue squares on the attached Figure 1. Coordinates for each sample location are provided in the attached Table 1 (Exhibit B).

Sample Collection

Soil borings were advanced at the designated sample locations to facilitate collection of the required dredge material samples. Soil borings advanced within the ash areas of the ponds were advanced using a track mounted drilling rig. Soil borings advanced within the ash areas were backfilled with auger cuttings.

In all cases, soil borings were advanced from the ground/water surface to a depth of at least two feet below the bottom of the ash material or auger refusal, whichever was encountered first. For this investigation, auger refusal was not encountered in any of the boreholes prior to reaching the planned depth of drilling.

Soil borings were advanced using a combination of continuous split-spoon sampling and hollow stem auger drilling. Each split-spoon sample was examined by the GAI field environmental scientist immediately after removal from the sampler, visually characterized, and inspected for the presence of staining, discoloration, separate-phase hydrocarbon product, or other visible indicators of contamination. The split spoon samples were scanned with a photoionization detector (PID), calibrated daily to isobutylene, for the presence and concentration of volatile organic vapors. Soil boring logs with ash/soil descriptions and PID readings for each of the soil borings were prepared by the GAI environmental scientist and are provided in the attached Exhibit C.

GAI collected six environmental samples (one sample per soil boring plus one QA/QC sample) for laboratory analyses to evaluate the proposed dredge material. The sample collected for laboratory analysis of all parameters, excluding the volatile organic fraction, was collected as a single composite from each soil boring. A composite sample was collected by retaining a portion of each split-spoon retrieved from a given soil boring in a clean disposable container. Once an individual soil boring was completed, the retained sample was transferred to a stainless steel mixing bowl and thoroughly mixed. The thoroughly mixed sample was then transferred in equal portions to appropriate laboratory supplied sample jars.

For collection of the volatile organic fraction, each split spoon was visually examined for the presence of suspected contamination and screened with a PID. Soil samples for volatile organic analyses were selected from a discrete interval in each boring exhibiting the highest PID readings or other indicators of possible impacts. If no indicators of potential impacts were observed, the sample was collected from a randomly selected depth interval. Selection of the depth interval took into consideration previously completed soil borings in an effort to distribute samples between the top, middle, and bottom thirds of the dredge material. Samples collected for the volatile organic fraction analyses were transferred into the appropriate laboratory provided sample jars or pre-preserved sample vials depending on the analyses required.

Equipment used for sample collection was properly decontaminated before use to prevent cross-contamination from prior sampling locations. Field sampling equipment used to collect or hold non-aqueous samples were decontaminated prior to use as follows:

1. Remove visible contamination from the equipment using a brush and/or paper towel saturated with potable water and laboratory grade soap.
2. Rinse the equipment with potable water to remove residual soap and solids.
3. Rinse the equipment with distilled/deionized water meeting ASTM Type II specifications.

Laboratory Analysis

Samples collected for laboratory analysis were properly labeled with the sampling time, date, and sample identification, and were immediately placed into an iced chest and maintained at four degrees Celsius. Samples were submitted, under chain of custody procedures, to ALS Environmental, a VA certified analytical laboratory, under a standard turn-around for results. Samples were submitted for analysis of the required parameters and using appropriate laboratory test methods as specified in Condition 11 of VPDES Permit No. VA0002071.

Reporting

Results of the completed laboratory analysis are presented in the attached Exhibit D. Analytical results are presented on the appropriate VPDES Permit No. VA0002071, Dredge Spoils Monitoring, Attachment B forms. The ALS laboratory analytical data reports providing all results for the submitted samples are provided in Exhibit E. Analytical results indicate all constituent concentrations are below applicable threshold values provided in Attachment B of VPDES Permit No. VA0002071.

EXHIBIT A
Figure 1 – Sample Locations

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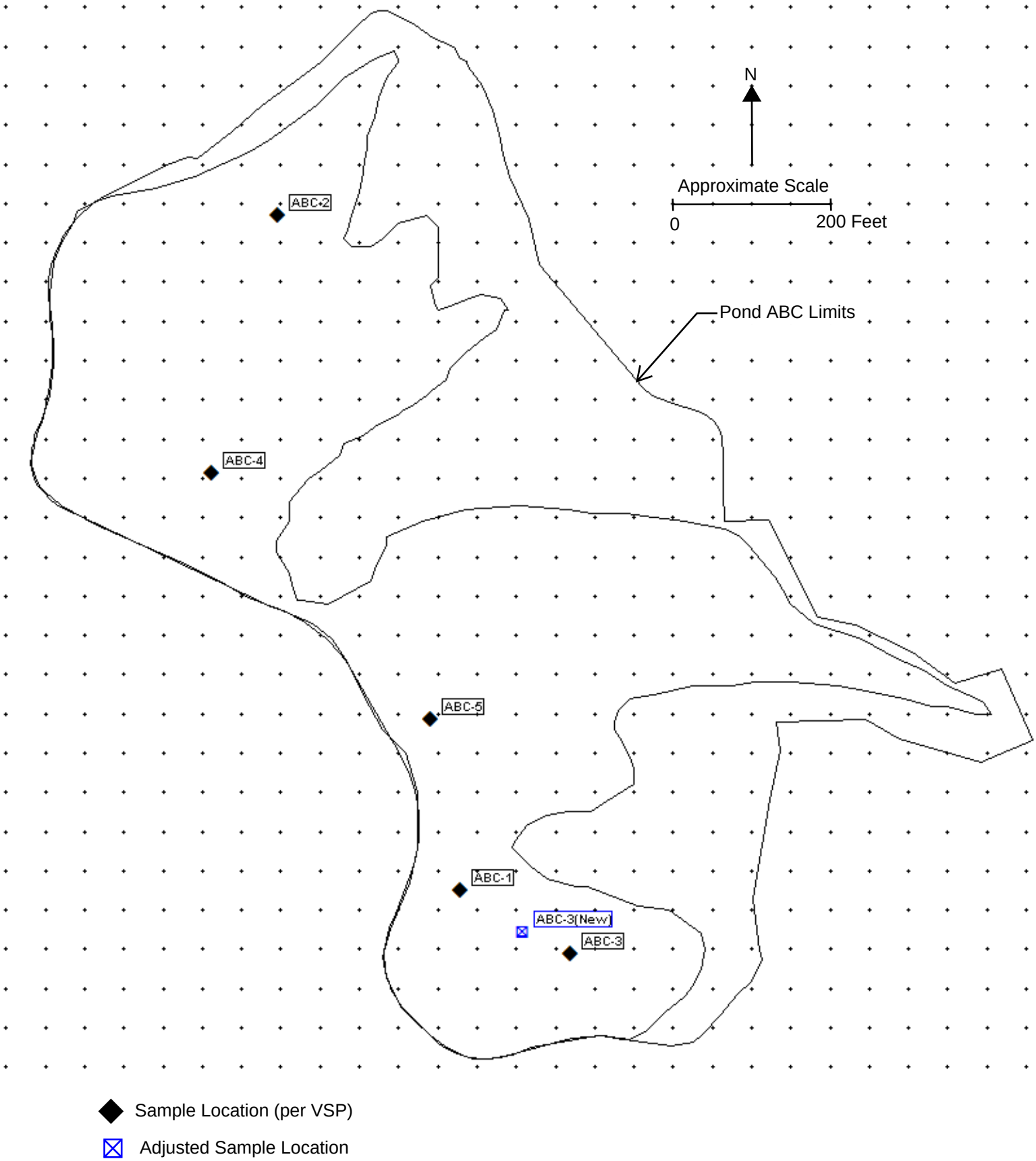

Figure 1 - Sample Locations
Pond ABC Sampling and Analysis

EXHIBIT B
Table 1 – Sample Location Coordinates

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Table 1
Pond ABC Sampling and Analysis
Sample Location Coordinates

Sample Location	Easting	Northing
ABC-1	11830728.4528	6882725.1720
ABC-2	11830495.6403	6883584.6164
ABC-3	11830868.1403	6882643.3202
ABC-4	11830411.2457	6883257.2090
ABC-5	11830690.6207	6882943.4436

Adjusted Locations	Easting	Northing
ABC-3 (New)	11830808.1400	6882672.2600

EXHIBIT C
Boring Logs

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PROJECT **Possum Point Ash Pond ABC**

ELEVATION N/A
DATE 6/8/15
LOGGED BY EJC

GW level while drilling- 4.00

BORING # **ABC 1**
PROJECT # **C150132.00.049**
PAGE 1 of 1

DEPTH (FEET)	RECOVERY IN FEET / % RECOVERY	BLOW COUNTS / 0.5 FT	SAMPLE TYPE AND NO. / PROFILE	SOIL CONSISTENCY	COLOR	MATERIAL CLASSIFICATION	PHOTOIONIZATION DETECTOR READING (ppm)	REMARKS*
1	2	3	4	5	6	7	8	9
		W.O.H. / 6	S-1		Dark gray / black	Coal fly ash (fine to coarse)	3.8	No odor, moist
1.0	0.67	2						
		1	(0-2)'	Very loose		*** TCLP VOC and VOC samples collected**		
2.0	34%	0						
		W.O.H. / 18	S-2				3.1	No odor, moist
3.0	0.25							
			(2-4)'	Very loose				
4.0	13%	1						
		W.O.H. / 24	S-3				0.0	No odor, wet
5.0	0.00							
			(4-6)'	Very loose				
6.0	0%							
		W.O.H. / 24	S-4				0.0	No odor, wet
7.0	1.25							
			(6-8)'	Very loose				
8.0	63%							
		1/24	S-5				0.0	No odor, wet
9.0	0.25							
			(8-10)'	Very loose				
10.0	13%							
			S-6				0.0	No odor, wet
11.0	0.00					**SPOON SANK DOWN TO 14 FT.**		
			(10-12)'	Very loose		**WHEN TAKING THE 10 FT. SAMPLE**		
12.0	0%							
			S-7				0.0	No odor, wet
13.0	0.00							
			(12-14)'	Very loose				
14.0	0%							
		1/24	S-8				0.0	No odor, wet
15.0	0.25							
			(14-16)'	Very loose				
16.0	13%					**BOTTOM OF COAL ASH AT 16 FT.**		
		5	S-9		Light brown/gray	Fine to coarse gravelly sand with clay	0.0	No odor, wet
17.0	1.5	5				(SP-CL)		
		5	(16-18)'	Medium				
18.0	75%	5		dense				
		4	S-10				0.0	No odor, moist
19.0	1.0	5						
		6	(18-20)'	Medium				
20.0	50%	6		dense		**END OF BORING AT 20 FT.**		

Borings completed by Connelly and Associates, Inc. using a Diedrich D50 Track Rig with 2¼" HSA with SPT.
W.O.H./W.O.R.- Weight of Hammer/ Weight of Rods is equivalent to 0 blow counts while the spoon advances a certain increment in feet.
*** Sample submitted to laboratory for analysis.**

BORING NO.: **ABC 1**

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PROJECT **Possum Point Ash Pond ABC**

ELEVATION N/A
DATE 6/9/15
LOGGED BY EJC

GW level while drilling- 3.00

BORING # **ABC 2**
PROJECT # **C150132.00.049**
PAGE 1 of 1

DEPTH (FEET)	RECOVERY IN FEET / % RECOVERY	BLOW COUNTS / 0.5 FT	SAMPLE TYPE AND NO. / PROFILE	SOIL CONSISTENCY	COLOR	MATERIAL CLASSIFICATION	PHOTOIONIZATION DETECTOR READING (ppm)	REMARKS*
1	2	3	4	5	6	7	8	9
		1/12	S-1		Dark gray / black	Coal fly ash (fine to coarse)	0.0	No odor, very dry
1.0	1.33							
		1/12	(0-2)'	Loose				
2.0	50%							
		2	S-2				0.0	No odor, moist
3.0	1.67	1/18				*** TCLP VOC and VOC samples collected**		
			(2-4)'	Very loose				
4.0	84%							
		1/12	S-3				0.0	No odor, wet
5.0	2.00							
		1/12	(4-6)'	Very loose				
6.0	100%							
		W.O.H./18	S-4				0.0	No odor, wet
7.0	2.0							
			(6-8)'	Very loose				
8.0	100%	3						
		W.O.H./12	S-5	Very loose			0.0	No odor, wet
9.0	2.0					**BOTTOM OF COAL ASH AT 9 FT.**		
		5	(8-10)'	Medium	Light brown to	Fine to coarse sand, trace clay (SP)	0.0	No odor, wet
10.0	100%	7		dense	light gray			
		4	S-6				0.0	No odor, wet
11.0	2.0	6						
		6	(10-12)'	Medium				
12.0	100%	7		dense		**END OF BORING AT 12 FT.**		

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W.O.H./W.O.R.- Weight of Hammer/ Weight of Rods is equivalent to 0 blow counts while the spoon advances a certain increment in feet.
*** Sample submitted to laboratory for analysis.**

BORING NO.: **ABC 2**

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PROJECT **Possum Point Ash Pond ABC**

ELEVATION N/A
DATE 6/9/15
LOGGED BY EJC

GW level while drilling- 5.00

BORING # **ABC 3 (New)**
PROJECT # **C150132.00.049**
PAGE 1 of 1

DEPTH (FEET)	RECOVERY IN FEET / % RECOVERY	BLOW COUNTS / 0.5 FT	SAMPLE TYPE AND NO. / PROFILE	SOIL CONSISTENCY	COLOR	MATERIAL CLASSIFICATION	PHOTOIONIZATION DETECTOR READING [1] (ppm)	REMARKS*
1	2	3	4	5	6	7	8	9
		1	S-1		Dark gray / black	Coal fly ash (fine to coarse)	0.0	No odor, moist
1.0	0.17	1/12						
			(0-2)'	Very loose				
2.0	9%	1						
		1/24	S-2				0.0	No odor, wet
3.0	0.25							
			(2-4)'	Very loose				
4.0	13%							
		W.O.H./ 24	S-3				0.0	No odor, wet
5.0	1.0					*** TCLP VOC and VOC samples collected**		
			(4-6)'	Very loose				
6.0	50%							
		W.O.H./ 24	S-4				0.0	No odor, wet
7.0	1.0							
			(6-8)'	Very loose				
8.0	50%							
		W.O.H./24	S-5				0.0	No odor, wet
9.0	2.0							
			(8-10)'	Very loose				
10.0	100%							
		W.O.H./24	S-6				0.0	No odor, wet
11.0	0.75							
			(10-12)'	Very loose				
12.0	38%							
		W.O.H./24	S-7				0.0	No odor, wet
13.0	1.67							
			(12-14)'	Very loose				
14.0	84%							
		W.O.H./24	S-8				0.0	No odor, wet
15.0	1.0							
			(14-16)'	Very loose				
16.0	50%							
		W.O.H./24	S-9				0.0	No odor, wet
17.0	1.33							
			(16-18)'	Very loose				
18.0	67%							
		W.O.H./12	S-10	Very loose			0.0	No odor, wet
19.0	2.0					**BOTTOM OF COAL ASH AT 19 FT.**		
		6	(18-20)'	Medium	Light brown to	Fine to coarse silty sand (SM)	0.0	No odor, wet
20.0	100%	7		dense	light gray			
		8	S-11				0.0	No odor, wet
21.0	2.0	9						
		9	(20-22)'	Medium				
22.0	100%	14		dense		**END OF BORING AT 22 FT.**		

Borings completed by Connelly and Associates, Inc. using a Diedrich D50 Track Rig with 2¼" HSA with SPT.
W.O.H./W.O.R.- Weight of Hammer/ Weight of Rods is equivalent to 0 blow counts while the spoon advances a certain increment in feet.
*** Sample submitted to laboratory for analysis.**

BORING NO.: **ABC 3 (New)**

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PROJECT **Possum Point Ash Pond ABC**

ELEVATION N/A
DATE 6/9/15
LOGGED BY EJC

GW level while drilling- 5.00

BORING # **ABC 4**
PROJECT # **C150132.00.049**
PAGE 1 of 1

DEPTH (FEET)	RECOVERY IN FEET / % RECOVERY	BLOW COUNTS / 0.5 FT	SAMPLE TYPE AND NO. / PROFILE	SOIL CONSISTENCY	COLOR	MATERIAL CLASSIFICATION	PHOTOIONIZATION DETECTOR READING [1] (ppm)	REMARKS*
1	2	3	4	5	6	7	8	9
		3	S-4		Dark gray / black	Coal fly ash (fine to coarse)	0.0	No odor, dry
1.0	1.0	3						
		3	(6-8)'	Loose				
2.0	50%	2						
		2	S-4				0.0	No odor, dry
3.0	1.25	1						
		1/12	(6-8)'	Loose				
4.0	63%							
		1	(6-8)'	Loose			0.0	No odor, moist
5.0	1.17	1						
		1/12	(4-6)'	Very loose				
6.0	59%							
		W.O.H./24	S-4				0.0	No odor, wet
7.0	1.5							
			(6-8)'	Loose				
8.0	75%							
		W.O.H./24	S-5				0.0	No odor, wet
9.0	2.0							
			(8-10)'	Very loose				
10.0	100%							
		W.O.H./24	S-6				0.0	No odor, wet
11.0	2.0							
			(10-12)'	Very loose				
12.0	100%							
		W.O.H./24	S-7				0.0	No odor, wet
13.0	1.7							
			(12-14)'	Very loose				
14.0	84%							
		W.O.H./24	S-8				0.0	No odor, wet
15.0	2.0							
			(14-16)'	Very loose				
16.0	100%							
		W.O.H./24	S-9				0.0	No odor, wet
17.0	2.0					*** TCLP VOC and VOC samples collected**		
			(16-18)'	Very loose				
18.0	100%							
		W.O.H./12	S-10				0.0	No odor, wet
19.0	2.0			Very loose		**BOTTOM OF COAL ASH AT 19 FT.**		
		3	(18-20)'	Loose	Light brown	Fine to coarse sand (SP)	0.0	No odor, wet
20.0	100%	4						
		3	S-11				0.0	No odor, wet
21.0	2.0	4						
		5	(20-22)'	Medium				
22.0	100%	9		dense				

Borings completed by Connelly and Associates, Inc. using a Diedrich D50 Track Rig with 2¼" HSA with SPT.
W.O.H./W.O.R.- Weight of Hammer/ Weight of Rods is equivalent to 0 blow counts while the spoon advances a certain increment in feet.
*** Sample submitted to laboratory for analysis.**

BORING NO.: **ABC 4**

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PROJECT **Possum Point Ash Pond ABC**

ELEVATION N/A
DATE 6/8/15
LOGGED BY EJC

GW level while drilling- 4.00

BORING # **ABC 5**
PROJECT # **C150132.00.049**
PAGE 1 of 1

DEPTH (FEET)	RECOVERY IN FEET / % RECOVERY	BLOW COUNTS / 0.5 FT	SAMPLE TYPE AND NO. / PROFILE	SOIL CONSISTENCY	COLOR	MATERIAL CLASSIFICATION	PHOTOIONIZATION DETECTOR READING [1] (ppm)	REMARKS*
1	2	3	4	5	6	7	8	9
		W.O.H./6	S-1		Dark gray / black	Coal fly ash (fine to coarse)	0.0	No odor, moist
1.0	0.67	1						
		1	(0-2)'	Very loose				
2.0	34%	1						
		1	S-2				0.0	No odor, moist
3.0	0.33	1						
		1	(2-4)'	Very loose				
4.0	17%	1						
		W.O.H./24	S-4				0.0	No odor, wet
5.0	1.0							
			(4-6)'	Very loose				
6.0	100%							
		W.O.H./24	S-4				0.0	No odor, wet
7.0	0.67							
			(6-8)'	Very loose				
8.0	34%							
		W.O.H./24	S-5				0.0	No odor, wet
9.0	1.0							
			(8-10)'	Very loose		*** TCLP VOC and VOC samples collected**		
10.0	50%							
		W.O.H./24	S-6				0.0	No odor, wet
11.0	0.42							
			(10-12)'	Very loose				
12.0	21%							
		W.O.H./12	S-7				0.0	No odor, wet
13.0	1.50							
		W.O.H./12	(12-14)'	Very loose				
14.0	75%							
		W.O.H./24	S-8				0.0	No odor, wet
15.0	1.50							
			(14-16)'	Very loose				
16.0	75%							
		W.O.H./24	S-9				0.0	No odor, wet
17.0	1.50							
			(16-18)'	Very loose				
18.0	75%							
		W.O.H./24	S-10				0.0	No odor, wet
19.0	1.50							
			(18-20)'	Very loose				
20.0	75%							
		W.O.H./24	S-11				0.0	No odor, wet
21.0	1.67							
			(20-22)'	Very loose				
22.0	84%							
		W.O.H./24	S-12				0.0	No odor, wet
23.0	1.50							
			(22-24)'	Very loose				
24.0	75%							
		W.O.H./24	S-13				0.0	No odor, wet
25.0	1.50							
			(24-26)'	Very loose				
26.0	75%					**BOTTOM OF COAL ASH AT 26 FT.**		
		4	S-14		Light brown	Fine to coarse silty sand (SM)	0.0	No odor, wet
27.0	1.33	3		Loose				
		2	(26-28)'					
28.0	67.0	2						
		6	S-15		Light brown to	Silt, trace of fine to medium sand (ML)	0.0	No odor, wet
29.0	1.50	7			light gray			
		9	(28-30)'	Very Stiff				
30.0	75%	10				**END OF BORING AT 30 FT.**		

Borings completed by Connelly and Associates, Inc. using a Diedrich D50 Track Rig with 2¼" HSA with SPT.
W.O.H./W.O.R.- Weight of Hammer/ Weight of Rods is equivalent to 0 blow counts while the spoon advances a certain increment in feet.
*** Sample submitted to laboratory for analysis.**

BORING NO.: **ABC 5**

EXHIBIT D
VPDES Permit No. VA0002071 Attachment B Forms

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DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 1

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/l)	Reporting Results (1) (mg/l)	Sample Type (2)	Threshold Levels (mg/l)
Toxicity Characteristics Leaching Procedure Parameters with Threshold Levels (Part A)							
033	7440-38-2	Arsenic	1311	0.14	< 0.14	G	5.0
151	7440-39-3	Barium	1311	2.8	4.0	G	100.0
216	71-43-2	Benzene	1311	0.0200	< 0.0200	G	3.0
096	7440-43-9	Cadmium	1311	0.011	< 0.011	G	1.0
236	56-23-5	Carbon Tetrachloride	1311	0.0200	< 0.020	G	0.5
333	57-74-9	Chlordane	1311	0.0100	< 0.0100	G	0.03
280	108-90-7	Chlorobenzene	1311	0.0200	< 0.0200	G	100.0
223	67-66-3	Chloroform	1311	0.0200	< 0.0200	G	6.0
016	7440-47-3	Chromium	1311	0.028	< 0.028	G	5.0
510	95-48-7	o-Cresol *	1311	0.16	< 0.16	G	200.0
509-511		mp-Cresol *	1311	0.16	< 0.16	G	200.0
512		Cresols, Total	1311	0.16	< 0.16	G	200.0
266	106-46-7	1,4-Dichlorobenzene	1311	0.0600	< 0.0600	G	7.5
260	107-06-2	1,2-Dichloroethane	1311	0.0200	< 0.0200	G	0.5
258	75-35-4	1,1-Dichloroethylene	1311	0.0200	< 0.0200	G	0.7
239	121-14-2	2,4-Dinitrotoluene	1311	0.0600	< 0.0600	G	0.13
339	72-20-8	Endrin	1311	0.00050	< 0.00050	G	0.02
341	76-44-8	Heptachlor	1311	0.00050	< 0.00050	G	0.008
289	118-74-1	Hexachlorobenzene	1311	0.0600	< 0.0600	G	0.13
290	87-68-3	Hexachlorobutadiene	1311	0.0600	< 0.0600	G	0.5
291	67-72-1	Hexachloroethane	1311	0.0600	< 0.0600	G	5.0
034	7439-92-1	Lead	1311	0.033	< 0.033	G	5.0
342	58-89-9	Hexachlorocyclohexane (Lindane)	1311	0.00050	< 0.00050	G	0.4
042	7439-97-6	Mercury	1311	0.0020	< 0.0020	G	0.2
344	72-43-5	Methoxychlor	1311	0.00050	< 0.00050	G	10.0
	78-93-3	Methyl Ethyl Ketone	1311	0.2	< 0.2	G	200.0
294	98-95-3	Nitrobenzene	1311	0.0600	< 0.0600	G	2.0
210	87-86-5	Pentachlorophenol	1311	0.32	< 0.32	G	100.0
	110-86-1	Pyridine	1311	0.16	< 0.16	G	5.0
152	7782-49-2	Selenium	1311	0.11	< 0.11	G	1.0
037	7440-22-4	Silver	1311	0.022	< 0.022	G	5.0
220	127-18-4	Tetrachloroethylene	1311	0.0200	< 0.0200	G	0.7
349	8001-35-2	Toxaphene	1311	0.020	< 0.020	G	0.5
602	79-01-6	Trichloroethylene	1311	0.0200	< 0.0200	G	0.5
601	95-95-4	2,4,5-Trichlorophenol	1311	0.16	< 0.16	G	400
602	88-06-2	2,4,6-Tricholorphenol	1311	0.16	< 0.16	G	2.0
173	75-01-4	Vinyl Chloride	1311	0.0200	< 0.0200	G	0.2

* If o-,m-,p-Cresol concentrations cannot be differentiated, the total cresol concentration is used.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 1

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
Metals (Part B.1)						
178	7429-90-5	Antimony	6020A	1.7	4.5	G
457	1327-53-3	Arsenic III	1632	0.240	5.36	G
441	16055-83-1	Chromium III	Calculation	3.7	21.3	G
231	18540-29-9	Chromium VI	7196A	3.6	< 3.6	G
442	744-50-8	Copper	6020A	4.2	59.0	G
445	7440-02-0	Nickel	6020A	4.2	30.1	G
--	7440-28-0	Thallium	6020A	0.83	1.4	G
448	7440-66-6	Zinc	6020A	4.2	26.1	G
Pesticides/PCB'S (Part B.2)						
332	309-00-2	Aldrin	8081B	0.015	< 0.015	G
334		Chlorpyrifos Dursban	8141B	0.062	< 0.062	G
--	72-54-8	DDD	8081B	0.0292	< 0.0292	G
--	72-55-9	DDE	8081B	0.0292	< 0.0292	G
335	50-29-3	DDT	8081B	0.0292	< 0.0292	G
336	8065-48-3	Demeton	8141B	0.062	< 0.062	G
337	60-57-1	Dieldrin	8081B	0.0292	< 0.0292	G
746	959-98-8	Alpha-Endosulfan	8081B	0.015	< 0.015	G
640	33213-65-9	Alpha-Endosulfan	8081B	0.0292	< 0.0292	G
617	1031-07-8	Endosulfan Sulfate	8081B	0.0292	< 0.0292	G
--	7421-93-4	Endrin Aldehyde	8081B	0.0292	< 0.0292	G
340	86-50-0	Guthion	8141B	0.062	< 0.062	G
--	1024-57-3	Heptachlor Epoxide	8081B	0.015	< 0.015	G
--	319-84-6	Hexachlorocyclohexane (Alpha-BHC)	8081B	0.015	< 0.015	G
--	319-85-7	Hexachlorocyclohexane (Beta-BHC)	8081B	0.015	< 0.015	G
--	143-50-0	Kepone	8270D	1.75	< 1.75	G
343	121-75-5	Malathion	8141B	0.062	< 0.062	G
345	2385-85-5	Mirex	8081B	0.0292	< 0.0292	G
346	56-38-2	Parathion	8141B	0.062	< 0.062	G
--	1336-36-3	Total PCB	8082A	0.058	< 0.058	G
641	53469-21-9	PCB-1242	8082A	0.058	< 0.058	G
642	11097-69-1	PCB-1254	8082A	0.058	< 0.058	G
643	11104-28-2	PCB-1221	8082A	0.058	< 0.058	G
644	11141-16-5	PCB-1232	8082A	0.058	< 0.058	G
645	12672-29-6	PCB-1248	8082A	0.058	< 0.058	G
618	11096-82-5	PCB-1260	8082A	0.058	< 0.058	G
646	12674-11-2	PCB-1016	8082A	0.058	< 0.058	G
Base Neutral Extractable (Part B.3)						
273	208-96-8	Acenaphthene	8270D	0.175	< 0.175	G
275	120-12-7	Anthracene	8270D	0.175	< 0.175	G
--	92-87-5	Benzidine	8270D	1.4	< 1.4	G
276	56-55-3	Benzo(a) anthracene	8270D	0.175	< 0.175	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 1

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/kg)	Reporting Results (1) (mg/kg)	Sample Type (2)
648	50-32-8	Benzo(b)fluoranthene (3,4-Bensofluoranthene)	8270D	0.175	< 0.175	G
278	207-08-9	Benzo(k) fluoranthene	8270D	0.175	< 0.175	G
277	50-32-8	Benzo(a)pyrene	8270D	0.175	< 0.175	G
--	111-44-4	Bis 2-Chloroethyl Ether	8270D	0.175	< 0.175	G
279	102-60-1	Bis 2-Chrloroiso-Propyl Ether	8270D	0.175	< 0.175	G
486	85-68-7	Butyl benzyl phthalate	8270D	0.175	< 0.175	G
--	91-58-7	2-Chloronaphthalene	8270D	0.175	< 0.175	G
282	218-01-9	Chrysene	8270D	0.175	< 0.175	G
654	53-70-3	Dibenz(a,h) anthracene	8270D	0.175	< 0.175	G
206	84-74-2	Dibutyl phthalate	8270D	0.175	< 0.175	G
259	95-50-1	1,2-Dichlorobenzene	8270D	0.175	< 0.175	G
264	541-73-1	1,3-Dichlorobenzene	8270D	0.175	< 0.175	G
527	91-94-1	3,3-Dichlorobenzidine	8270D	0.262	< 0.262	G
285	84-66-2	Diethyl phthalate	8270D	0.175	< 0.175	G
170	117-81-7	Di-2-Ethylhexyl Phthalate (Bis (2-Ethlhexyl) Phthalate)	8270D	0.175	< 0.175	G
286	131-11-3	Dimethyl Phthalate	8270D	0.175	< 0.175	G
535	122-66-7	1,2-Dihenylhydrazine	8270D	0.175	< 0.175	G
287	206-44-0	Fluoranthene	8270D	0.175	< 0.175	G
288	86-73-7	Fluorene	8270D	0.175	< 0.175	G
538	77-47-4	Hexachlorocyclopentadiene	8270D	0.472	< 0.472	G
651	193-39-5	Indeno (1,2,3-cd) pyrene	8270D	0.175	< 0.175	G
650	78-59-1	Isophorone	8270D	0.175	< 0.175	G
293	91-20-3	Naphthalene	8270D	0.175	< 0.175	G
573	62-75-9	N-Nitrosodimethylamine	8270D	0.175	< 0.175	G
574	86-30-6	N-Nitrosodiphenylamine	8270D	0.175	< 0.175	G
575	621-64-7	N-Nitrosodi-n-proplyamine	8270D	0.175	< 0.175	G
296	129-00-0	Pyrene	8270D	0.175	< 0.175	G
263	129-82-1	1,2,4 Trichlorobenzene	8270D	0.175	< 0.175	G
Volatiles (Part B.4)						
171	107-02-8	Acrolein	8260B	0.061	< 0.061	G
204	107-13-1	Acrylonitrile (Vinyl Cyanide)	8260B	0.0122	< 0.0122	G
484	75-25-2	Bromoform	8260B	0.0024	< 0.0024	G
652	124-48-1	Chlorodibromomethane	8260B	0.0024	< 0.0024	G
649	75-09-2	Dichloromethane (Methylene chloride)	8260B	0.0024	< 0.0024	G
244	75-27-4	Dichlorobromomethane	8260B	0.0024	< 0.0024	G
262	156-60-5	Trans 1,2-Dichloroethylene	8260B	0.0024	< 0.0024	G
261	78-87-5	1,2-Dichloropropane	8260B	0.0024	< 0.0024	G
265	542-75-6	1,3-Dichloropropene (1,3-Dichlorpropylene)	8260B	0.0049	< 0.0049	G
172	100-41-4	Ethylbenzene	8260B	0.0024	< 0.0024	G
--	74-83-9	Methyl Bromide	8260B	0.0024	< 0.0024	G
--	78-93-3	2-Butanone (Methyl Ethyl Ketone (MEK))	8260B	0.0122	< 0.0122	G
596	79-34-5	1,1,2,2-Tetrachloroethane	8260B	0.0024	< 0.0024	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 1

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/kg)	Reporting Results (1) (mg/kg)	Sample Type (2)
222	108-88-3	Toluene	8260B	0.0024	< 0.0024	G
373	79-00-5	1,1,2-Trichloroethane	8260B	0.0024	< 0.0024	G
155	79-01-6	Trichloroethylene	8260B	0.0024	< 0.0024	G
Acids Extratable (part B.5)						
267	95-57-8	2-Chlorophenol	8270D	0.472	< 0.472	G
268	120-83-2	2,4 Dichlorophenol	8270D	0.350	< 0.350	G
269	105-67-9	2,4 Dimethylphenol	8270D	0.472	< 0.472	G
--	534-52-1	2-Methyl-2,4-Dinitrophenol (4,6-Dinitro-O-Cresol)	8270D	0.472	< 0.472	G
270	51.28-5	2,4 Dinitrophenol	8270D	0.350	< 0.350	G
175	108-95-2	Phenol	8270D	0.472	< 0.472	G
Miscellaneous (Part B.6)						
018		Cyanide, Total	9012B	0.48	< 0.48	G
350		Tributyltin	Krone	0.0016	< 0.0016	G
257		TPH (Total petroleum Hydrocarbons)	9071B	377	< 377	G

I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statues may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

David A. Craymer

Name of Principal Executive Officer or Authorized Agent

VP Power Generation, System Operations

Title

Signature of Principal Executive Officer or Authorized Agent

7/14/15

Date

Footnotes to Water Quality Monitoring Attachment B

(1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.

Units for the quantification level and the specific target value are micrograms/liter (mg/l) or micrograms/kilogram (mg/kg) unless otherwise specified.

Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained. Data reported by the lab as less than the test method QL shall be reported as "<(QL)" on the Attachment B form, where the actual test method QL shall be substituted for "(QL)".

(2) Sample Type:

G= Grab- An individual sample collected in less than fifteen (15) minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and repot the average results provided that the individual grab results are also reported

(3) Any approved method presented in 40 CFR Part 136

(4) The QL is at the discretion of the premittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 2

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/l)	Reporting Results (1) (mg/l)	Sample Type (2)	Threshold Levels (mg/l)
Toxicity Characteristics Leaching Procedure Parameters with Threshold Levels (Part A)							
033	7440-38-2	Arsenic	1311	0.14	< 0.14	G	5.0
151	7440-39-3	Barium	1311	2.8	3.8	G	100.0
216	71-43-2	Benzene	1311	0.0200	< 0.0200	G	3.0
096	7440-43-9	Cadmium	1311	0.011	< 0.011	G	1.0
236	56-23-5	Carbon Tetrachloride	1311	0.0200	< 0.020	G	0.5
333	57-74-9	Chlordane	1311	0.0100	< 0.0100	G	0.03
280	108-90-7	Chlorobenzene	1311	0.0200	< 0.0200	G	100.0
223	67-66-3	Chloroform	1311	0.0200	< 0.0200	G	6.0
016	7440-47-3	Chromium	1311	0.028	< 0.028	G	5.0
510	95-48-7	o-Cresol *	1311	0.16	<0.16	G	200.0
509-511		mp-Cresol *	1311	0.16	<0.16	G	200.0
512		Cresols, Total	1311	0.16	<0.16	G	200.0
266	106-46-7	1,4-Dichlorobenzene	1311	0.0600	<0.060	G	7.5
260	107-06-2	1,2-Dichloroethane	1311	0.0200	< 0.0200	G	0.5
258	75-35-4	1,1-Dichloroethylene	1311	0.0200	< 0.0200	G	0.7
239	121-14-2	2,4-Dinitrotoluene	1311	0.0600	<0.060	G	0.13
339	72-20-8	Endrin	1311	0.00050	< 0.00050	G	0.02
341	76-44-8	Heptachlor	1311	0.00050	< 0.00050	G	0.008
289	118-74-1	Hexachlorobenzene	1311	0.0600	<0.060	G	0.13
290	87-68-3	Hexachlorobutadiene	1311	0.0600	<0.060	G	0.5
291	67-72-1	Hexachloroethane	1311	0.0600	<0.060	G	5.0
034	7439-92-1	Lead	1311	0.033	< 0.033	G	5.0
342	58-89-9	Hexachlorocyclohexane (Lindane)	1311	0.00050	< 0.00050	G	0.4
042	7439-97-6	Mercury	1311	0.0020	< 0.0020	G	0.2
344	72-43-5	Methoxychlor	1311	0.00050	< 0.00050	G	10.0
	78-93-3	Methyl Ethyl Ketone	1311	0.2	< 0.2	G	200.0
294	98-95-3	Nitrobenzene	1311	0.0600	<0.060	G	2.0
210	87-86-5	Pentachlorophenol	1311	0.32	<0.32	G	100.0
	110-86-1	Pyridine	1311	0.16	<0.16	G	5.0
152	7782-49-2	Selenium	1311	0.11	< 0.11	G	1.0
037	7440-22-4	Silver	1311	0.022	< 0.022	G	5.0
220	127-18-4	Tetrachloroethylene	1311	0.0200	< 0.0200	G	0.7
349	8001-35-2	Toxaphene	1311	0.020	< 0.020	G	0.5
602	79-01-6	Trichloroethylene	1311	0.0200	< 0.0200	G	0.5
601	95-95-4	2,4,5-Trichlorophenol	1311	0.16	<0.16	G	400
602	88-06-2	2,4,6-Tricholorphenol	1311	0.16	<0.16	G	2.0
173	75-01-4	Vinyl Chloride	1311	0.0200	< 0.020	G	0.2

* If o-,m-,p-Cresol concentrations cannot be differentiated, the total cresol concentration is used.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

ATTACHMENT B, Page 2 of 4

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 2

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/kg)	Reporting Results (1) (mg/kg)	Sample Type (2)
Metals (Part B.1)						
178	7429-90-5	Antimony	6020A	0.11	0.16	G
457		Arsenic III	1632	1.96	15.0	G
441	16055-83-1	Chromium III	Calculation	3.5	<3.5	G
231	18540-29-9	Chromium VI	7196A	3.4	< 3.4	G
442	744-50-8	Copper	6020A	0.27	1.7	G
445	7440-02-0	Nickel	6020A	0.27	0.73	G
	7440-28-0	Thallium	6020A	0.053	<0.053	G
448	7440-66-6	Zinc	6020A	0.27	1.1	G
Pesticides/PCB'S (Part B.2)						
332	309-00-2	Aldrin	8081B	0.0146	< 0.0146	G
334		Chlorpyrifos Dursban	8141B	0.0604	< 0.0604	G
--	72-54-8	DDD	8081B	0.0283	< 0.0283	G
--	72-55-9	DDE	8081B	0.0283	< 0.0283	G
335	50-29-3	DDT	8081B	0.0283	< 0.0283	G
336	8065-48-3	Demeton	8141B	0.0604	< 0.0604	G
337	60-57-1	Dieldrin	8081B	0.0283	< 0.0283	G
746	959-98-8	Alpha-Endosulfan	8081B	0.0146	< 0.0146	G
640	33213-65-9	Alpha-Endosulfan	8081B	0.0283	< 0.0283	G
617	1031-07-8	Endosulfan Sulfate	8081B	0.0283	< 0.0283	G
--	7421-93-4	Endrin Aldehyde	8081B	0.0283	< 0.0283	G
340	86-50-0	Guthion	8141B	0.0604	< 0.0604	G
--	1024-57-3	Heptachlor Epoxide	8081B	0.0146	< 0.0146	G
--	319-84-6	Hexachlorocyclohexane (Alpha-BHC)	8081B	0.0146	< 0.0146	G
--	319-85-7	Hexachlorocyclohexane (Beta-BHC)	8081B	0.0146	< 0.0146	G
--	143-50-0	Kepone	8270D	1.64	< 1.64	G
343	121-75-5	Malathion	8141B	0.0604	< 0.0604	G
345	2385-85-5	Mirex	8081B	0.0283	< 0.0283	G
346	56-38-2	Parathion	8141B	0.0604	< 0.0604	G
--	1336-36-3	Total PCB	8082A	0.057	< 0.057	G
641	53469-21-9	PCB-1242	8082A	0.057	< 0.057	G
642	11097-69-1	PCB-1254	8082A	0.057	< 0.057	G
643	11104-28-2	PCB-1221	8082A	0.057	< 0.057	G
644	11141-16-5	PCB-1232	8082A	0.057	< 0.057	G
645	12672-29-6	PCB-1248	8082A	0.057	< 0.057	G
618	11096-82-5	PCB-1260	8082A	0.057	< 0.057	G
646	12674-11-2	PCB-1016	8082A	0.057	< 0.057	G
Base Neutral Extractable (Part B.3)						
273	208-96-8	Acenaphthene	8270D	0.164	< 0.164	G
275	120-12-7	Anthracene	8270D	0.164	< 0.164	G
--	92-87-5	Benzidine	8270D	1.31	< 1.31	G
276	56-55-3	Benzo(a) anthracene	8270D	0.164	< 0.164	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 2

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/kg)	Reporting Results (1) (mg/kg)	Sample Type (2)
648	50-32-8	Benzo(b)fluoranthene (3,4-Bensofluoranthene)	8270D	0.164	< 0.164	G
278	207-08-9	Benzo(k) fluoranthene	8270D	0.164	< 0.164	G
277	50-32-8	Benzo(a)pyrene	8270D	0.164	< 0.164	G
--	111-44-4	Bis 2-Chloroethyl Ether	8270D	0.164	< 0.164	G
279	102-60-1	Bis 2-Chrloroiso-Propyl Ether	8270D	0.164	< 0.164	G
486	85-68-7	Butyl benzyl phthalate	8270D	0.164	< 0.164	G
--	91-58-7	2-Chloronaphthalene	8270D	0.164	< 0.164	G
282	218-01-9	Chrysene	8270D	0.164	< 0.164	G
654	53-70-3	Dibenz(a,h) anthracene	8270D	0.164	< 0.164	G
206	84-74-2	Dibutyl phthalate	8270D	0.164	< 0.164	G
259	95-50-1	1,2-Dichlorobenzene	8270D	0.164	< 0.164	G
264	541-73-1	1,3-Dichlorobenzene	8270D	0.164	< 0.164	G
527	91-94-1	3,3-Dichlorobenzidine	8270D	0.246	< 0.246	G
285	84-66-2	Diethyl phthalate	8270D	0.164	< 0.164	G
170	117-81-7	Di-2-Ethylhexyl Phthalate (Bis (2-Ethlhexyl) Phthalate)	8270D	0.164	< 0.164	G
286	131-11-3	Dimethyl Phthalate	8270D	0.164	< 0.164	G
535	122-66-7	1,2-Dihenylhydrazine	8270D	0.164	< 0.164	G
287	206-44-0	Fluoranthene	8270D	0.164	< 0.164	G
288	86-73-7	Fluorene	8270D	0.164	< 0.164	G
538	77-47-4	Hexachlorocyclopentadiene	8270D	0.442	< 0.442	G
651	193-39-5	Indeno (1,2,3-cd) pyrene	8270D	0.164	< 0.164	G
650	78-59-1	Isophorone	8270D	0.164	< 0.164	G
293	91-20-3	Naphthalene	8270D	0.164	< 0.164	G
573	62-75-9	N-Nitrosodimethylamine	8270D	0.164	< 0.164	G
574	86-30-6	N-Nitrosodiphenylamine	8270D	0.164	< 0.164	G
575	621-64-7	N-Nitrosodi-n-proplyamine	8270D	0.164	< 0.164	G
296	129-00-0	Pyrene	8270D	0.164	< 0.164	G
263	129-82-1	1,2,4 Trichlorobenzene	8270D	0.164	< 0.164	G
Volatiles (Part B.4)						
171	107-02-8	Acrolein	8260B	0.0475	< 0.0475	G
204	107-13-1	Acrylonitrile (Vinyl Cyanide)	8260B	0.0095	< 0.0095	G
484	75-25-2	Bromoform	8260B	0.0019	< 0.0019	G
652	124-48-1	Chlorodibromomethane	8260B	0.0019	< 0.0019	G
649	75-09-2	Dichloromethane (Methylene chloride)	8260B	0.0019	< 0.0019	G
244	75-27-4	Dichlorobromomethane	8260B	0.0019	< 0.0019	G
262	156-60-5	Trans 1,2-Dichloroethylene	8260B	0.0019	< 0.0019	G
261	78-87-5	1,2-Dichloropropane	8260B	0.0019	< 0.0019	G
265	542-75-6	1,3-Dichloropropene (1,3-Dichlorpropylene)	8260B	0.0038	< 0.0038	G
172	100-41-4	Ethylbenzene	8260B	0.0019	< 0.0019	G
--	74-83-9	Methyl Bromide	8260B	0.0019	< 0.0019	G
--	78-93-3	2-Butanone (Methyl Ethyl Ketone (MEK))	8260B	0.0095	< 0.0095	G
596	79-34-5	1,1,2,2-Tetrachloroethane	8260B	0.0019	< 0.0019	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

ATTACHMENT B, Page 4 of 4

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 2

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
222	108-88-3	Toluene	8260B	0.0019	< 0.0019	G
373	79-00-5	1,1,2-Trichloroethane	8260B	0.0019	< 0.0019	G
155	79-01-6	Trichloroethylene	8260B	0.0019	< 0.0019	G
Acids Extratable (part B.5)						
267	95-57-8	2-Chlorophenol	8270D	0.442	< 0.442	G
268	120-83-2	2,4 Dichlorophenol	8270D	0.328	< 0.328	G
269	105-67-9	2,4 Dimethylphenol	8270D	0.442	< 0.442	G
--	534-52-1	2-Methyl-2,4-Dinitrophenol (4,6-Dinitro-O-Cresol)	8270D	0.442	< 0.442	G
270	51.28-5	2,4 Dinitrophenol	8270D	0.328	< 0.328	G
175	108-95-2	Phenol	8270D	0.442	< 0.442	G
Miscellaneous (Part B.6)						
018		Cyanide, Total	9012B	0.44	< 0.44	G
350		Tributyltin	Krone	0.0016	< 0.0016	G
257		TPH (Total petroleum Hydrocarbons)	9071B	349	819	G

I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statues may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

David A. Craymer

Name of Principal Executive Officer or Authorized Agent

VP Power Generation, System Operations

Title

Signature of Principal Executive Officer or Authorized Agent

7/14/15

Date

Footnotes to Water Quality Monitoring Attachment B

(1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.

Units for the quantification level and the specific target value are micrograms/liter (mg/l) or micrograms/kilogram (mg/kg) unless otherwise specified.

Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained. Data reported by the lab as less than the test method QL shall be reported as "<(QL)" on the Attachment B form, where the actual test method QL shall be substituted for "(QL)".

(2) Sample Type:

G= Grab- An individual sample collected in less than fifteen (15) minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and repot the average results provided that the individual grab results are also reported

(3) Any approved method presented in 40 CFR Part 136

(4) The QL is at the discretion of the premittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 3

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/l)	Reporting Results (1) (mg/l)	Sample Type (2)	Threshold Levels (mg/l)
Toxicity Characteristics Leaching Procedure Parameters with Threshold Levels (Part A)							
033	7440-38-2	Arsenic	1311	0.14	< 0.14	G	5.0
151	7440-39-3	Barium	1311	2.8	3.9	G	100.0
216	71-43-2	Benzene	1311	0.0200	< 0.0200	G	3.0
096	7440-43-9	Cadmium	1311	0.011	< 0.011	G	1.0
236	56-23-5	Carbon Tetrachloride	1311	0.0200	< 0.020	G	0.5
333	57-74-9	Chlordane	1311	0.0100	< 0.0100	G	0.03
280	108-90-7	Chlorobenzene	1311	0.0200	< 0.0200	G	100.0
223	67-66-3	Chloroform	1311	0.0200	< 0.0200	G	6.0
016	7440-47-3	Chromium	1311	0.028	< 0.028	G	5.0
510	95-48-7	o-Cresol *	1311	0.16	< 0.16	G	200.0
509-511		mp-Cresol *	1311	0.16	< 0.16	G	200.0
512		Cresols, Total	1311	0.16	< 0.16	G	200.0
266	106-46-7	1,4-Dichlorobenzene	1311	0.0600	< 0.0600	G	7.5
260	107-06-2	1,2-Dichloroethane	1311	0.0200	< 0.0200	G	0.5
258	75-35-4	1,1-Dichloroethylene	1311	0.0200	< 0.0200	G	0.7
239	121-14-2	2,4-Dinitrotoluene	1311	0.0600	< 0.0600	G	0.13
339	72-20-8	Endrin	1311	0.00050	< 0.00050	G	0.02
341	76-44-8	Heptachlor	1311	0.00050	< 0.00050	G	0.008
289	118-74-1	Hexachlorobenzene	1311	0.0600	< 0.0600	G	0.13
290	87-68-3	Hexachlorobutadiene	1311	0.0600	< 0.0600	G	0.5
291	67-72-1	Hexachloroethane	1311	0.0600	< 0.0600	G	5.0
034	7439-92-1	Lead	1311	0.033	< 0.033	G	5.0
342	58-89-9	Hexachlorocyclohexane (Lindane)	1311	0.00050	< 0.00050	G	0.4
042	7439-97-6	Mercury	1311	0.0020	< 0.0020	G	0.2
344	72-43-5	Methoxychlor	1311	0.00050	< 0.00050	G	10.0
	78-93-3	Methyl Ethyl Ketone	1311	0.2	< 0.2	G	200.0
294	98-95-3	Nitrobenzene	1311	0.0600	< 0.0600	G	2.0
210	87-86-5	Pentachlorophenol	1311	0.32	< 0.32	G	100.0
	110-86-1	Pyridine	1311	0.16	< 0.16	G	5.0
152	7782-49-2	Selenium	1311	0.11	< 0.11	G	1.0
037	7440-22-4	Silver	1311	0.022	< 0.022	G	5.0
220	127-18-4	Tetrachloroethylene	1311	0.0200	< 0.0200	G	0.7
349	8001-35-2	Toxaphene	1311	0.020	< 0.020	G	0.5
602	79-01-6	Trichloroethylene	1311	0.0200	< 0.0200	G	0.5
601	95-95-4	2,4,5-Trichlorophenol	1311	0.16	< 0.16	G	400
602	88-06-2	2,4,6-Tricholorphenol	1311	0.16	< 0.16	G	2.0
173	75-01-4	Vinyl Chloride	1311	0.0200	< 0.0200	G	0.2

* If o-,m-,p-Cresol concentrations cannot be differentiated, the total cresol concentration is used.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 3

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/kg)	Reporting Results (1) (mg/kg)	Sample Type (2)
Metals (Part B.1)						
178	7429-90-5	Antimony	6020A	0.11	0.13	G
457		Arsenic III	1632	0.498	2.33	G
441	16055-83-1	Chromium III	Calculation	3.7	<3.7	G
231	18540-29-9	Chromium VI	7196A	3.5	< 3.5	G
442	744-50-8	Copper	6020A	0.28	2.0	G
445	7440-02-0	Nickel	6020A	0.28	0.70	G
	7440-28-0	Thallium	6020A	0.057	< 0.057	G
448	7440-66-6	Zinc	6020A	0.28	1.6	G
Pesticides/PCB'S (Part B.2)						
332	309-00-2	Aldrin	8081B	0.0153	< 0.0153	G
334		Chlorpyrifos Dursban	8141B	0.0624	< 0.0624	G
--	72-54-8	DDD	8081B	0.0296	< 0.0296	G
--	72-55-9	DDE	8081B	0.0296	< 0.0296	G
335	50-29-3	DDT	8081B	0.0296	< 0.0296	G
336	8065-48-3	Demeton	8141B	0.0624	< 0.0624	G
337	60-57-1	Dieldrin	8081B	0.0296	< 0.0296	G
746	959-98-8	Alpha-Endosulfan	8081B	0.0153	< 0.0153	G
640	33213-65-9	Alpha-Endosulfan	8081B	0.0296	< 0.0296	G
617	1031-07-8	Endosulfan Sulfate	8081B	0.0296	< 0.0296	G
--	7421-93-4	Endrin Aldehyde	8081B	0.0296	< 0.0296	G
340	86-50-0	Guthion	8141B	0.0624	< 0.0624	G
--	1024-57-3	Heptachlor Epoxide	8081B	0.0153	< 0.0153	G
--	319-84-6	Hexachlorocyclohexane (Alpha-BHC)	8081B	0.0153	< 0.0153	G
--	319-85-7	Hexachlorocyclohexane (Beta-BHC)	8081B	0.0153	< 0.0153	G
--	143-50-0	Kepone	8270D	1.79	< 1.79	G
343	121-75-5	Malathion	8141B	0.0624	< 0.0624	G
345	2385-85-5	Mirex	8081B	0.0296	< 0.0296	G
346	56-38-2	Parathion	8141B	0.0624	< 0.0624	G
--	1336-36-3	Total PCB	8082A	0.059	< 0.059	G
641	53469-21-9	PCB-1242	8082A	0.059	< 0.059	G
642	11097-69-1	PCB-1254	8082A	0.059	< 0.059	G
643	11104-28-2	PCB-1221	8082A	0.059	< 0.059	G
644	11141-16-5	PCB-1232	8082A	0.059	< 0.059	G
645	12672-29-6	PCB-1248	8082A	0.059	< 0.059	G
618	11096-82-5	PCB-1260	8082A	0.059	< 0.059	G
646	12674-11-2	PCB-1016	8082A	0.059	< 0.059	G
Base Neutral Extractable (Part B.3)						
273	208-96-8	Acenaphthene	8270D	0.179	< 0.179	G
275	120-12-7	Anthracene	8270D	0.179	< 0.179	G
--	92-87-5	Benzidine	8270D	1.44	< 1.44	G
276	56-55-3	Benzo(a) anthracene	8270D	0.179	< 0.179	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 3

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/kg)	Reporting Results (1) (mg/kg)	Sample Type (2)
648	50-32-8	Benzo(b)fluoranthene (3,4-Bensofluoranthene)	8270D	0.179	< 0.179	G
278	207-08-9	Benzo(k) fluoranthene	8270D	0.179	< 0.179	G
277	50-32-8	Benzo(a)pyrene	8270D	0.179	< 0.179	G
--	111-44-4	Bis 2-Chloroethyl Ether	8270D	0.179	< 0.179	G
279	102-60-1	Bis 2-Chrloroiso-Propyl Ether	8270D	0.179	< 0.179	G
486	85-68-7	Butyl benzyl phthalate	8270D	0.179	< 0.179	G
--	91-58-7	2-Chloronaphthalene	8270D	0.179	< 0.179	G
282	218-01-9	Chrysene	8270D	0.179	< 0.179	G
654	53-70-3	Dibenz(a,h) anthracene	8270D	0.179	< 0.179	G
206	84-74-2	Dibutyl phthalate	8270D	0.179	< 0.179	G
259	95-50-1	1,2-Dichlorobenzene	8270D	0.179	< 0.179	G
264	541-73-1	1,3-Dichlorobenzene	8270D	0.179	< 0.179	G
527	91-94-1	3,3-Dichlorobenzidine	8270D	0.269	< 0.269	G
285	84-66-2	Diethyl phthalate	8270D	0.179	< 0.179	G
170	117-81-7	Di-2-Ethylhexyl Phthalate (Bis (2-Ethlhexyl) Phthalate)	8270D	0.179	< 0.179	G
286	131-11-3	Dimethyl Phthalate	8270D	0.179	< 0.179	G
535	122-66-7	1,2-Dihenylhydrazine	8270D	0.179	< 0.179	G
287	206-44-0	Fluoranthene	8270D	0.179	< 0.179	G
288	86-73-7	Fluorene	8270D	0.179	< 0.179	G
538	77-47-4	Hexachlorocyclopentadiene	8270D	0.484	< 0.484	G
651	193-39-5	Indeno (1,2,3-cd) pyrene	8270D	0.179	< 0.179	G
650	78-59-1	Isophorone	8270D	0.179	< 0.179	G
293	91-20-3	Naphthalene	8270D	0.179	< 0.179	G
573	62-75-9	N-Nitrosodimethylamine	8270D	0.179	< 0.179	G
574	86-30-6	N-Nitrosodiphenylamine	8270D	0.179	< 0.179	G
575	621-64-7	N-Nitrosodi-n-proplyamine	8270D	0.179	< 0.179	G
296	129-00-0	Pyrene	8270D	0.179	< 0.179	G
263	129-82-1	1,2,4 Trichlorobenzene	8270D	0.179	< 0.179	G
Volatiles (Part B.4)						
171	107-02-8	Acrolein	8260B	0.0529	< 0.0529	G
204	107-13-1	Acrylonitrile (Vinyl Cyanide)	8260B	0.0106	< 0.0106	G
484	75-25-2	Bromoform	8260B	0.0021	< 0.0021	G
652	124-48-1	Chlorodibromomethane	8260B	0.0021	< 0.0021	G
649	75-09-2	Dichloromethane (Methylene chloride)	8260B	0.0021	< 0.0021	G
244	75-27-4	Dichlorobromomethane	8260B	0.0021	< 0.0021	G
262	156-60-5	Trans 1,2-Dichloroethylene	8260B	0.0021	< 0.0021	G
261	78-87-5	1,2-Dichloropropane	8260B	0.0021	< 0.0021	G
265	542-75-6	1,3-Dichloropropene (1,3-Dichlorpropylene)	8260B	0.0042	< 0.0042	G
172	100-41-4	Ethylbenzene	8260B	0.0021	< 0.0021	G
--	74-83-9	Methyl Bromide	8260B	0.0021	< 0.0021	G
--	78-93-3	2-Butanone (Methyl Ethyl Ketone (MEK))	8260B	0.0106	< 0.0106	G
596	79-34-5	1,1,2,2-Tetrachloroethane	8260B	0.0021	< 0.0021	G

DEPARTMENT OF ENVIRONMENTAL QUALITY
Dredge Spoils Monitoring
ATTACHMENT B, Page 4 of 4

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 3

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
222	108-88-3	Toluene	8260B	0.0021	< 0.0021	G
373	79-00-5	1,1,2-Trichloroethane	8260B	0.0021	< 0.0021	G
155	79-01-6	Trichloroethylene	8260B	0.0021	< 0.0021	G
Acids Extratable (part B.5)						
267	95-57-8	2-Chlorophenol	8270D	0.484	< 0.484	G
268	120-83-2	2,4 Dichlorophenol	8270D	0.359	< 0.359	G
269	105-67-9	2,4 Dimethylphenol	8270D	0.484	< 0.484	G
--	534-52-1	2-Methyl-2,4-Dinitrophenol (4,6-Dinitro-O-Cresol)	8270D	0.484	< 0.484	G
270	51.28-5	2,4 Dinitrophenol	8270D	0.359	< 0.359	G
175	108-95-2	Phenol	8270D	0.484	< 0.484	G
Miscellaneous (Part B.6)						
018		Cyanide, Total	9012B	0.46	< 0.46	G
350		Tributyltin	Krone	0.0017	< 0.0017	G
257		TPH (Total petroleum Hydrocarbons)	9071B	366	805	G

I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statues may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

David A. Craymer
Name of Principal Executive Officer or Authorized Agent

VP Power Generation, System Operations
Title

Signature of Principal Executive Officer or Authorized Agent

7/14/15
Date

Footnotes to Water Quality Monitoring Attachment B

(1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.

Units for the quantification level and the specific target value are micrograms/liter (mg/l) or micrograms/kilogram (mg/kg) unless otherwise specified.

Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained. Data reported by the lab as less than the test method QL shall be reported as "<(QL)" on the Attachment B form, where the actual test method QL shall be substituted for "(QL)".

(2) Sample Type:

G= Grab- An individual sample collected in less than fifteen (15) minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and repot the average results provided that the individual grab results are also reported

(3) Any approved method presented in 40 CFR Part 136

(4) The QL is at the discretion of the premittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 4

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/l)	Reporting Results (1) (mg/l)	Sample Type (2)	Threshold Levels (mg/l)
Toxicity Characteristics Leaching Procedure Parameters with Threshold Levels (Part A)							
033	7440-38-2	Arsenic	1311	0.14	< 0.14	G	5.0
151	7440-39-3	Barium	1311	2.8	3.7	G	100.0
216	71-43-2	Benzene	1311	0.0200	< 0.0200	G	3.0
096	7440-43-9	Cadmium	1311	0.011	< 0.011	G	1.0
236	56-23-5	Carbon Tetrachloride	1311	0.0200	< 0.020	G	0.5
333	57-74-9	Chlordane	1311	0.0100	< 0.0100	G	0.03
280	108-90-7	Chlorobenzene	1311	0.0200	< 0.0200	G	100.0
223	67-66-3	Chloroform	1311	0.0200	< 0.0200	G	6.0
016	7440-47-3	Chromium	1311	0.028	< 0.028	G	5.0
510	95-48-7	o-Cresol *	1311	0.16	< 0.16	G	200.0
509-511		mp-Cresol *	1311	0.16	< 0.16	G	200.0
512		Cresols, Total	1311	0.16	< 0.16	G	200.0
266	106-46-7	1,4-Dichlorobenzene	1311	0.0600	< 0.0600	G	7.5
260	107-06-2	1,2-Dichloroethane	1311	0.0200	< 0.0200	G	0.5
258	75-35-4	1,1-Dichloroethylene	1311	0.0200	< 0.0200	G	0.7
239	121-14-2	2,4-Dinitrotoluene	1311	0.0600	< 0.0600	G	0.13
339	72-20-8	Endrin	1311	0.00050	< 0.00050	G	0.02
341	76-44-8	Heptachlor	1311	0.00050	< 0.00050	G	0.008
289	118-74-1	Hexachlorobenzene	1311	0.0600	< 0.0600	G	0.13
290	87-68-3	Hexachlorobutadiene	1311	0.0600	< 0.0600	G	0.5
291	67-72-1	Hexachloroethane	1311	0.0600	< 0.0600	G	5.0
034	7439-92-1	Lead	1311	0.033	< 0.033	G	5.0
342	58-89-9	Hexachlorocyclohexane (Lindane)	1311	0.00050	< 0.00050	G	0.4
042	7439-97-6	Mercury	1311	0.0020	< 0.0020	G	0.2
344	72-43-5	Methoxychlor	1311	0.00050	< 0.00050	G	10.0
	78-93-3	Methyl Ethyl Ketone	1311	0.2	< 0.2	G	200.0
294	98-95-3	Nitrobenzene	1311	0.0600	< 0.0600	G	2.0
210	87-86-5	Pentachlorophenol	1311	0.32	< 0.32	G	100.0
	110-86-1	Pyridine	1311	0.16	< 0.16	G	5.0
152	7782-49-2	Selenium	1311	0.11	< 0.11	G	1.0
037	7440-22-4	Silver	1311	0.022	0.24	G	5.0
220	127-18-4	Tetrachloroethylene	1311	0.0200	< 0.0200	G	0.7
349	8001-35-2	Toxaphene	1311	0.020	< 0.020	G	0.5
602	79-01-6	Trichloroethylene	1311	0.0200	< 0.0200	G	0.5
601	95-95-4	2,4,5-Trichlorophenol	1311	0.16	< 0.16	G	400
602	88-06-2	2,4,6-Tricholorphenol	1311	0.16	< 0.16	G	2.0
173	75-01-4	Vinyl Chloride	1311	0.0200	< 0.0200	G	0.2

* If o-,m-,p-Cresol concentrations cannot be differentiated, the total cresol concentration is used.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 4

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
Metals (Part B.1)						
178	7429-90-5	Antimony	6020A	0.11	0.21	G
457		Arsenic III	1632	0.23	3.01	G
441	16055-83-1	Chromium III	Calculation	3.4	<3.4	G
231	18540-29-9	Chromium VI	7196A	3.4	< 3.4	G
442	744-50-8	Copper	6020A	0.26	2.1	G
445	7440-02-0	Nickel	6020A	0.26	0.85	G
	7440-28-0	Thallium	6020A	0.053	0.059	G
448	7440-66-6	Zinc	6020A	0.26	0.87	G
Pesticides/PCB'S (Part B.2)						
332	309-00-2	Aldrin	8081B	0.0144	< 0.0144	G
334		Chlorpyrifos Dursban	8141B	0.0578	< 0.0578	G
--	72-54-8	DDD	8081B	0.028	< 0.028	G
--	72-55-9	DDE	8081B	0.028	< 0.028	G
335	50-29-3	DDT	8081B	0.028	< 0.028	G
336	8065-48-3	Demeton	8141B	0.0578	< 0.0578	G
337	60-57-1	Dieldrin	8081B	0.028	< 0.028	G
746	959-98-8	Alpha-Endosulfan	8081B	0.0144	< 0.0144	G
640	33213-65-9	Alpha-Endosulfan	8081B	0.028	< 0.028	G
617	1031-07-8	Endosulfan Sulfate	8081B	0.028	< 0.028	G
--	7421-93-4	Endrin Aldehyde	8081B	0.028	< 0.028	G
340	86-50-0	Guthion	8141B	0.0578	< 0.0578	G
--	1024-57-3	Heptachlor Epoxide	8081B	0.0144	< 0.0144	G
--	319-84-6	Hexachlorocyclohexane (Alpha-BHC)	8081B	0.0144	< 0.0144	G
--	319-85-7	Hexachlorocyclohexane (Beta-BHC)	8081B	0.0144	< 0.0144	G
--	143-50-0	Kepone	8270D	1.66	< 1.66	G
343	121-75-5	Malathion	8141B	0.0578	< 0.0578	G
345	2385-85-5	Mirex	8081B	0.028	< 0.028	G
346	56-38-2	Parathion	8141B	0.0578	< 0.0578	G
--	1336-36-3	Total PCB	8082A	0.056	< 0.056	G
641	53469-21-9	PCB-1242	8082A	0.056	< 0.056	G
642	11097-69-1	PCB-1254	8082A	0.056	< 0.056	G
643	11104-28-2	PCB-1221	8082A	0.056	< 0.056	G
644	11141-16-5	PCB-1232	8082A	0.056	< 0.056	G
645	12672-29-6	PCB-1248	8082A	0.056	< 0.056	G
618	11096-82-5	PCB-1260	8082A	0.056	< 0.056	G
646	12674-11-2	PCB-1016	8082A	0.056	< 0.056	G
Base Neutral Extractable (Part B.3)						
273	208-96-8	Acenaphthene	8270D	0.166	< 0.166	G
275	120-12-7	Anthracene	8270D	0.166	< 0.166	G
--	92-87-5	Benzidine	8270D	1.33	< 1.33	G
276	56-55-3	Benzo(a) anthracene	8270D	0.166	< 0.166	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

ATTACHMENT B, Page 3 of 4

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 4

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/kg)	Reporting Results (1) (mg/kg)	Sample Type (2)
648	50-32-8	Benzo(b)fluoranthene (3,4-Bensofluoranthene)	8270D	0.166	< 0.166	G
278	207-08-9	Benzo(k) fluoranthene	8270D	0.166	< 0.166	G
277	50-32-8	Benzo(a)pyrene	8270D	0.166	< 0.166	G
--	111-44-4	Bis 2-Chloroethyl Ether	8270D	0.166	< 0.166	G
279	102-60-1	Bis 2-Chrloroiso-Propyl Ether	8270D	0.166	< 0.166	G
486	85-68-7	Butyl benzyl phthalate	8270D	0.166	< 0.166	G
--	91-58-7	2-Chloronaphthalene	8270D	0.166	< 0.166	G
282	218-01-9	Chrysene	8270D	0.166	< 0.166	G
654	53-70-3	Dibenz(a,h) anthracene	8270D	0.166	< 0.166	G
206	84-74-2	Dibutyl phthalate	8270D	0.166	< 0.166	G
259	95-50-1	1,2-Dichlorobenzene	8270D	0.166	< 0.166	G
264	541-73-1	1,3-Dichlorobenzene	8270D	0.166	< 0.166	G
527	91-94-1	3,3-Dichlorobenzidine	8270D	0.250	< 0.250	G
285	84-66-2	Diethyl phthalate	8270D	0.166	< 0.166	G
170	117-81-7	Di-2-Ethylhexyl Phthalate (Bis (2-Ethlhexyl) Phthalate)	8270D	0.166	< 0.166	G
286	131-11-3	Dimethyl Phthalate	8270D	0.166	< 0.166	G
535	122-66-7	1,2-Dihenylhydrazine	8270D	0.166	< 0.166	G
287	206-44-0	Fluoranthene	8270D	0.166	< 0.166	G
288	86-73-7	Fluorene	8270D	0.166	< 0.166	G
538	77-47-4	Hexachlorocyclopentadiene	8270D	0.449	< 0.449	G
651	193-39-5	Indeno (1,2,3-cd) pyrene	8270D	0.166	< 0.166	G
650	78-59-1	Isophorone	8270D	0.166	< 0.166	G
293	91-20-3	Naphthalene	8270D	0.166	< 0.166	G
573	62-75-9	N-Nitrosodimethylamine	8270D	0.166	< 0.166	G
574	86-30-6	N-Nitrosodiphenylamine	8270D	0.166	< 0.166	G
575	621-64-7	N-Nitrosodi-n-proplyamine	8270D	0.166	< 0.166	G
296	129-00-0	Pyrene	8270D	0.166	< 0.166	G
263	129-82-1	1,2,4 Trichlorobenzene	8270D	0.166	< 0.166	G
Volatiles (Part B.4)						
171	107-02-8	Acrolein	8260B	0.041	< 0.041	G
204	107-13-1	Acrylonitrile (Vinyl Cyanide)	8260B	0.0082	< 0.0082	G
484	75-25-2	Bromoform	8260B	0.0016	< 0.0016	G
652	124-48-1	Chlorodibromomethane	8260B	0.0016	< 0.0016	G
649	75-09-2	Dichloromethane (Methylene chloride)	8260B	0.0016	< 0.0016	G
244	75-27-4	Dichlorobromomethane	8260B	0.0016	< 0.0016	G
262	156-60-5	Trans 1,2-Dichloroethylene	8260B	0.0016	< 0.0016	G
261	78-87-5	1,2-Dichloropropane	8260B	0.0016	< 0.0016	G
265	542-75-6	1,3-Dichloropropene (1,3-Dichlorpropylene)	8260B	0.0033	< 0.0033	G
172	100-41-4	Ethylbenzene	8260B	0.0016	< 0.0016	G
--	74-83-9	Methyl Bromide	8260B	0.0016	< 0.0016	G
--	78-93-3	2-Butanone (Methyl Ethyl Ketone (MEK))	8260B	0.0082	< 0.0082	G
596	79-34-5	1,1,2,2-Tetrachloroethane	8260B	0.0016	< 0.0016	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

ATTACHMENT B, Page 4 of 4

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 4

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
222	108-88-3	Toluene	8260B	0.0016	< 0.0016	G
373	79-00-5	1,1,2-Trichloroethane	8260B	0.0016	< 0.0016	G
155	79-01-6	Trichloroethylene	8260B	0.0016	< 0.0016	G
Acids Extratable (part B.5)						
267	95-57-8	2-Chlorophenol	8270D	0.449	< 0.449	G
268	120-83-2	2,4 Dichlorophenol	8270D	0.333	< 0.333	G
269	105-67-9	2,4 Dimethylphenol	8270D	0.449	< 0.449	G
--	534-52-1	2-Methyl-2,4-Dinitrophenol (4,6-Dinitro-O-Cresol)	8270D	0.449	< 0.449	G
270	51.28-5	2,4 Dinitrophenol	8270D	0.333	< 0.333	G
175	108-95-2	Phenol	8270D	0.449	< 0.449	G
Miscellaneous (Part B.6)						
018		Cyanide, Total	9012B	0.42	< 0.42	G
350		Tributyltin	Krone	0.0016	< 0.0016	G
257		TPH (Total petroleum Hydrocarbons)	9071B	336	605	G

I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statues may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

David A. Craymer
Name of Principal Executive Officer or Authorized Agent

VP Power Generation, System Operations
Title

Signature of Principal Executive Officer or Authorized Agent

7/14/15
Date

Footnotes to Water Quality Monitoring Attachment B

(1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.

Units for the quantification level and the specific target value are micrograms/liter (mg/l) or micrograms/kilogram (mg/kg) unless otherwise specified.

Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained. Data reported by the lab as less than the test method QL shall be reported as "<(QL)" on the Attachment B form, where the actual test method QL shall be substituted for "(QL)".

(2) Sample Type:

G= Grab- An individual sample collected in less than fifteen (15) minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and repot the average results provided that the individual grab results are also reported

(3) Any approved method presented in 40 CFR Part 136

(4) The QL is at the discretion of the premittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 5

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/l)	Reporting Results (1) (mg/l)	Sample Type (2)	Threshold Levels (mg/l)
Toxicity Characteristics Leaching Procedure Parameters with Threshold Levels (Part A)							
033	7440-38-2	Arsenic	1311	0.14	0.15	G	5.0
151	7440-39-3	Barium	1311	2.8	5.3	G	100.0
216	71-43-2	Benzene	1311	0.0200	< 0.0200	G	3.0
096	7440-43-9	Cadmium	1311	0.011	< 0.011	G	1.0
236	56-23-5	Carbon Tetrachloride	1311	0.0200	< 0.020	G	0.5
333	57-74-9	Chlordane	1311	0.0100	< 0.0100	G	0.03
280	108-90-7	Chlorobenzene	1311	0.0200	< 0.0200	G	100.0
223	67-66-3	Chloroform	1311	0.0200	< 0.0200	G	6.0
016	7440-47-3	Chromium	1311	0.028	< 0.028	G	5.0
510	95-48-7	o-Cresol *	1311	0.16	< 0.16	G	200.0
509-511		mp-Cresol *	1311	0.16	< 0.16	G	200.0
512		Cresols, Total	1311	0.16	< 0.16	G	200.0
266	106-46-7	1,4-Dichlorobenzene	1311	0.0600	< 0.0600	G	7.5
260	107-06-2	1,2-Dichloroethane	1311	0.0200	< 0.0200	G	0.5
258	75-35-4	1,1-Dichloroethylene	1311	0.0200	< 0.0200	G	0.7
239	121-14-2	2,4-Dinitrotoluene	1311	0.0600	< 0.0600	G	0.13
339	72-20-8	Endrin	1311	0.00050	< 0.00050	G	0.02
341	76-44-8	Heptachlor	1311	0.00050	< 0.00050	G	0.008
289	118-74-1	Hexachlorobenzene	1311	0.0600	< 0.0600	G	0.13
290	87-68-3	Hexachlorobutadiene	1311	0.0600	< 0.0600	G	0.5
291	67-72-1	Hexachloroethane	1311	0.0600	< 0.0600	G	5.0
034	7439-92-1	Lead	1311	0.033	< 0.033	G	5.0
342	58-89-9	Hexachlorocyclohexane (Lindane)	1311	0.00050	< 0.00050	G	0.4
042	7439-97-6	Mercury	1311	0.0020	< 0.0020	G	0.2
344	72-43-5	Methoxychlor	1311	0.00050	< 0.00050	G	10.0
	78-93-3	Methyl Ethyl Ketone	1311	0.2	< 0.2	G	200.0
294	98-95-3	Nitrobenzene	1311	0.0600	< 0.0600	G	2.0
210	87-86-5	Pentachlorophenol	1311	0.32	< 0.32	G	100.0
	110-86-1	Pyridine	1311	0.16	< 0.16	G	5.0
152	7782-49-2	Selenium	1311	0.11	< 0.11	G	1.0
037	7440-22-4	Silver	1311	0.022	< 0.022	G	5.0
220	127-18-4	Tetrachloroethylene	1311	0.0200	< 0.0200	G	0.7
349	8001-35-2	Toxaphene	1311	0.020	< 0.020	G	0.5
602	79-01-6	Trichloroethylene	1311	0.0200	< 0.0200	G	0.5
601	95-95-4	2,4,5-Trichlorophenol	1311	0.16	< 0.16	G	400
602	88-06-2	2,4,6-Tricholorphenol	1311	0.16	< 0.16	G	2.0
173	75-01-4	Vinyl Chloride	1311	0.0200	< 0.0200	G	0.2

* If o-,m-,p-Cresol concentrations cannot be differentiated, the total cresol concentration is used.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 5

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
Metals (Part B.1)						
178	7429-90-5	Antimony	6020A	1.4	3.2	G
457	1327-53-3	Arsenic III	1632	2.32	23.1	G
441	16055-83-1	Chromium III	Calculation	3.4	17.2	G
231	18540-29-9	Chromium VI	7196A	3.4	< 3.4	G
442	744-50-8	Copper	6020A	3.6	49.9	G
445	7440-02-0	Nickel	6020A	3.6	18.7	G
	7440-28-0	Thallium	6020A	0.71	1.1	G
448	7440-66-6	Zinc	6020A	3.6	31.7	G
Pesticides/PCB'S (Part B.2)						
332	309-00-2	Aldrin	8081B	0.014	< 0.014	G
334		Chlorpyrifos Dursban	8141B	0.0567	< 0.0567	G
--	72-54-8	DDD	8081B	0.0272	< 0.0272	G
--	72-55-9	DDE	8081B	0.0272	< 0.0272	G
335	50-29-3	DDT	8081B	0.0272	< 0.0272	G
336	8065-48-3	Demeton	8141B	0.0567	< 0.0567	G
337	60-57-1	Dieldrin	8081B	0.0272	< 0.0272	G
746	959-98-8	Alpha-Endosulfan	8081B	0.014	< 0.014	G
640	33213-65-9	Alpha-Endosulfan	8081B	0.0272	< 0.0272	G
617	1031-07-8	Endosulfan Sulfate	8081B	0.0272	< 0.0272	G
--	7421-93-4	Endrin Aldehyde	8081B	0.0272	< 0.0272	G
340	86-50-0	Guthion	8141B	0.0567	< 0.0567	G
--	1024-57-3	Heptachlor Epoxide	8081B	0.014	< 0.014	G
--	319-84-6	Hexachlorocyclohexane (Alpha-BHC)	8081B	0.014	< 0.014	G
--	319-85-7	Hexachlorocyclohexane (Beta-BHC)	8081B	0.014	< 0.014	G
--	143-50-0	Kepone	8270D	1.66	< 1.66	G
343	121-75-5	Malathion	8141B	0.0567	< 0.0567	G
345	2385-85-5	Mirex	8081B	0.0272	< 0.0272	G
346	56-38-2	Parathion	8141B	0.0567	< 0.0567	G
--	1336-36-3	Total PCB	8082A	0.054	< 0.054	G
641	53469-21-9	PCB-1242	8082A	0.054	< 0.054	G
642	11097-69-1	PCB-1254	8082A	0.054	< 0.054	G
643	11104-28-2	PCB-1221	8082A	0.054	< 0.054	G
644	11141-16-5	PCB-1232	8082A	0.054	< 0.054	G
645	12672-29-6	PCB-1248	8082A	0.054	< 0.054	G
618	11096-82-5	PCB-1260	8082A	0.054	< 0.054	G
646	12674-11-2	PCB-1016	8082A	0.054	< 0.054	G
Base Neutral Extractable (Part B.3)						
273	208-96-8	Acenaphthene	8270D	0.166	< 0.166	G
275	120-12-7	Anthracene	8270D	0.166	< 0.166	G
--	92-87-5	Benzidine	8270D	1.33	< 1.33	G
276	56-55-3	Benzo(a) anthracene	8270D	0.166	< 0.166	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 5

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
648	50-32-8	Benzo(b)fluoranthene (3,4-Bensofluoranthene)	8270D	0.166	< 0.166	G
278	207-08-9	Benzo(k) fluoranthene	8270D	0.166	< 0.166	G
277	50-32-8	Benzo(a)pyrene	8270D	0.166	< 0.166	G
--	111-44-4	Bis 2-Chloroethyl Ether	8270D	0.166	< 0.166	G
279	102-60-1	Bis 2-Chrloroiso-Propyl Ether	8270D	0.166	< 0.166	G
486	85-68-7	Butyl benzyl phthalate	8270D	0.166	< 0.166	G
--	91-58-7	2-Chloronaphthalene	8270D	0.166	< 0.166	G
282	218-01-9	Chrysene	8270D	0.166	< 0.166	G
654	53-70-3	Dibenz(a,h) anthracene	8270D	0.166	< 0.166	G
206	84-74-2	Dibutyl phthalate	8270D	0.166	< 0.166	G
259	95-50-1	1,2-Dichlorobenzene	8270D	0.166	< 0.166	G
264	541-73-1	1,3-Dichlorobenzene	8270D	0.166	< 0.166	G
527	91-94-1	3,3-Dichlorobenzidine	8270D	0.249	< 0.249	G
285	84-66-2	Diethyl phthalate	8270D	0.166	< 0.166	G
170	117-81-7	Di-2-Ethylhexyl Phthalate (Bis (2-Ethlhexyl) Phthalate)	8270D	0.166	< 0.166	G
286	131-11-3	Dimethyl Phthalate	8270D	0.166	< 0.166	G
535	122-66-7	1,2-Dihenylhydrazine	8270D	0.166	< 0.166	G
287	206-44-0	Fluoranthene	8270D	0.166	< 0.166	G
288	86-73-7	Fluorene	8270D	0.166	< 0.166	G
538	77-47-4	Hexachlorocyclopentadiene	8270D	0.449	< 0.449	G
651	193-39-5	Indeno (1,2,3-cd) pyrene	8270D	0.166	< 0.166	G
650	78-59-1	Isophorone	8270D	0.166	< 0.166	G
293	91-20-3	Naphthalene	8270D	0.166	< 0.166	G
573	62-75-9	N-Nitrosodimethylamine	8270D	0.166	< 0.166	G
574	86-30-6	N-Nitrosodiphenylamine	8270D	0.166	< 0.166	G
575	621-64-7	N-Nitrosodi-n-proplyamine	8270D	0.166	< 0.166	G
296	129-00-0	Pyrene	8270D	0.166	< 0.166	G
263	129-82-1	1,2,4 Trichlorobenzene	8270D	0.166	< 0.166	G
Volatiles (Part B.4)						
171	107-02-8	Acrolein	8260B	0.0473	< 0.0473	G
204	107-13-1	Acrylonitrile (Vinyl Cyanide)	8260B	0.0095	< 0.0095	G
484	75-25-2	Bromoform	8260B	0.0019	< 0.0019	G
652	124-48-1	Chlorodibromomethane	8260B	0.0019	< 0.0019	G
649	75-09-2	Dichloromethane (Methylene chloride)	8260B	0.0019	< 0.0019	G
244	75-27-4	Dichlorobromomethane	8260B	0.0019	< 0.0019	G
262	156-60-5	Trans 1,2-Dichloroethylene	8260B	0.0019	< 0.0019	G
261	78-87-5	1,2-Dichloropropane	8260B	0.0019	< 0.0019	G
265	542-75-6	1,3-Dichloropropene (1,3-Dichlorpropylene)	8260B	0.0038	< 0.0038	G
172	100-41-4	Ethylbenzene	8260B	0.0019	< 0.0019	G
--	74-83-9	Methyl Bromide	8260B	0.0019	< 0.0019	G
--	78-93-3	2-Butanone (Methyl Ethyl Ketone (MEK))	8260B	0.0095	< 0.0095	G
596	79-34-5	1,1,2,2-Tetrachloroethane	8260B	0.0019	< 0.0019	G

DEPARTMENT OF ENVIRONMENTAL QUALITY
Dredge Spoils Monitoring
ATTACHMENT B, Page 4 of 4

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 5

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
222	108-88-3	Toluene	8260B	0.0019	< 0.0019	G
373	79-00-5	1,1,2-Trichloroethane	8260B	0.0019	< 0.0019	G
155	79-01-6	Trichloroethylene	8260B	0.0019	< 0.0019	G
Acids Extratable (part B.5)						
267	95-57-8	2-Chlorophenol	8270D	0.449	< 0.449	G
268	120-83-2	2,4 Dichlorophenol	8270D	0.332	< 0.332	G
269	105-67-9	2,4 Dimethylphenol	8270D	0.449	< 0.449	G
--	534-52-1	2-Methyl-2,4-Dinitrophenol (4,6-Dinitro-O-Cresol)	8270D	0.449	< 0.449	G
270	51.28-5	2,4 Dinitrophenol	8270D	0.332	< 0.332	G
175	108-95-2	Phenol	8270D	0.449	< 0.449	G
Miscellaneous (Part B.6)						
018		Cyanide, Total	9012B	0.43	< 0.43	G
350		Tributyltin	Krone	0.0018	< 0.0018	G
257		TPH (Total petroleum Hydrocarbons)	9071B	337	371	G

I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statues may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

David A. Craymer
Name of Principal Executive Officer or Authorized Agent

VP Power Generation, System Operations
Title

Signature of Principal Executive Officer or Authorized Agent

7/14/15
Date

Footnotes to Water Quality Monitoring Attachment B

(1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.

Units for the quantification level and the specific target value are micrograms/liter (mg/l) or micrograms/kilogram (mg/kg) unless otherwise specified.

Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained. Data reported by the lab as less than the test method QL shall be reported as "<(QL)" on the Attachment B form, where the actual test method QL shall be substituted for "(QL)".

(2) Sample Type:

G= Grab- An individual sample collected in less than fifteen (15) minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and repot the average results provided that the individual grab results are also reported

(3) Any approved method presented in 40 CFR Part 136

(4) The QL is at the discretion of the premittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

ATTACHMENT B, Page 1 of 4

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 5 DUP

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/l)	Reporting Results (1) (mg/l)	Sample Type (2)	Threshold Levels (mg/l)
Toxicity Characteristics Leaching Procedure Parameters with Threshold Levels (Part A)							
033	7440-38-2	Arsenic	1311	0.14	0.25	G	5.0
151	7440-39-3	Barium	1311	2.8	6.9	G	100.0
216	71-43-2	Benzene	1311	0.0200	< 0.0200	G	3.0
096	7440-43-9	Cadmium	1311	0.011	< 0.011	G	1.0
236	56-23-5	Carbon Tetrachloride	1311	0.0200	< 0.020	G	0.5
333	57-74-9	Chlordane	1311	0.0100	< 0.0100	G	0.03
280	108-90-7	Chlorobenzene	1311	0.0200	< 0.0200	G	100.0
223	67-66-3	Chloroform	1311	0.0200	< 0.0200	G	6.0
016	7440-47-3	Chromium	1311	0.028	< 0.028	G	5.0
510	95-48-7	o-Cresol *	1311	0.16	< 0.16	G	200.0
509-511		mp-Cresol *	1311	0.16	< 0.16	G	200.0
512		Cresols, Total	1311	0.16	< 0.16	G	200.0
266	106-46-7	1,4-Dichlorobenzene	1311	0.0600	< 0.0600	G	7.5
260	107-06-2	1,2-Dichloroethane	1311	0.0200	< 0.0200	G	0.5
258	75-35-4	1,1-Dichloroethylene	1311	0.0200	< 0.0200	G	0.7
239	121-14-2	2,4-Dinitrotoluene	1311	0.0600	< 0.0600	G	0.13
339	72-20-8	Endrin	1311	0.00050	< 0.00050	G	0.02
341	76-44-8	Heptachlor	1311	0.00050	< 0.00050	G	0.008
289	118-74-1	Hexachlorobenzene	1311	0.0600	< 0.0600	G	0.13
290	87-68-3	Hexachlorobutadiene	1311	0.0600	< 0.0600	G	0.5
291	67-72-1	Hexachloroethane	1311	0.0600	< 0.0600	G	5.0
034	7439-92-1	Lead	1311	0.033	< 0.033	G	5.0
342	58-89-9	Hexachlorocyclohexane (Lindane)	1311	0.00050	< 0.00050	G	0.4
042	7439-97-6	Mercury	1311	0.0020	< 0.0020	G	0.2
344	72-43-5	Methoxychlor	1311	0.00050	< 0.00050	G	10.0
	78-93-3	Methyl Ethyl Ketone	1311	0.2	< 0.2	G	200.0
294	98-95-3	Nitrobenzene	1311	0.0600	< 0.0600	G	2.0
210	87-86-5	Pentachlorophenol	1311	0.32	< 0.32	G	100.0
	110-86-1	Pyridine	1311	0.16	< 0.16	G	5.0
152	7782-49-2	Selenium	1311	0.11	< 0.11	G	1.0
037	7440-22-4	Silver	1311	0.022	< 0.022	G	5.0
220	127-18-4	Tetrachloroethylene	1311	0.0200	< 0.0200	G	0.7
349	8001-35-2	Toxaphene	1311	0.020	< 0.020	G	0.5
602	79-01-6	Trichloroethylene	1311	0.0200	< 0.0200	G	0.5
601	95-95-4	2,4,5-Trichlorophenol	1311	0.16	< 0.16	G	400
602	88-06-2	2,4,6-Tricholorphenol	1311	0.16	< 0.16	G	2.0
173	75-01-4	Vinyl Chloride	1311	0.0200	< 0.0200	G	0.2

* If o-,m-,p-Cresol concentrations cannot be differentiated, the total cresol concentration is used.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 5 DUP

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
Metals (Part B.1)						
178	7429-90-5	Antimony	6020A	1.7	3.1	G
457	1327-53-3	Arsenic III	1632	2.44	21.2	G
441	16055-83-1	Chromium III	Calculation	3.4	16.9	G
231	18540-29-9	Chromium VI	7196A	3.3	< 3.3	G
442	744-50-8	Copper	6020A	4.2	47.3	G
445	7440-02-0	Nickel	6020A	4.2	18.1	G
	7440-28-0	Thallium	6020A	0.85	1.1	G
448	7440-66-6	Zinc	6020A	4.2	32.8	G
Pesticides/PCB'S (Part B.2)						
332	309-00-2	Aldrin	8081B	0.0141	< 0.0141	G
334		Chlorpyrifos Dursban	8141B	0.0575	< 0.0575	G
--	72-54-8	DDD	8081B	0.0273	< 0.0273	G
--	72-55-9	DDE	8081B	0.0273	< 0.0273	G
335	50-29-3	DDT	8081B	0.0273	< 0.0273	G
336	8065-48-3	Demeton	8141B	0.0575	< 0.0575	G
337	60-57-1	Dieldrin	8081B	0.0273	< 0.0273	G
746	959-98-8	Alpha-Endosulfan	8081B	0.0141	< 0.0141	G
640	33213-65-9	Alpha-Endosulfan	8081B	0.0273	< 0.0273	G
617	1031-07-8	Endosulfan Sulfate	8081B	0.0273	< 0.0273	G
--	7421-93-4	Endrin Aldehyde	8081B	0.0273	< 0.0273	G
340	86-50-0	Guthion	8141B	0.0575	< 0.0575	G
--	1024-57-3	Heptachlor Epoxide	8081B	0.0141	< 0.0141	G
--	319-84-6	Hexachlorocyclohexane (Alpha-BHC)	8081B	0.0141	< 0.0141	G
--	319-85-7	Hexachlorocyclohexane (Beta-BHC)	8081B	0.0141	< 0.0141	G
--	143-50-0	Kepone	8270D	1.61	< 1.61	G
343	121-75-5	Malathion	8141B	0.0575	< 0.0575	G
345	2385-85-5	Mirex	8081B	0.0273	< 0.0273	G
346	56-38-2	Parathion	8141B	0.0575	< 0.0575	G
--	1336-36-3	Total PCB	8082A	0.055	< 0.055	G
641	53469-21-9	PCB-1242	8082A	0.055	< 0.055	G
642	11097-69-1	PCB-1254	8082A	0.055	< 0.055	G
643	11104-28-2	PCB-1221	8082A	0.055	< 0.055	G
644	11141-16-5	PCB-1232	8082A	0.055	< 0.055	G
645	12672-29-6	PCB-1248	8082A	0.055	< 0.055	G
618	11096-82-5	PCB-1260	8082A	0.055	< 0.055	G
646	12674-11-2	PCB-1016	8082A	0.055	< 0.055	G
Base Neutral Extractable (Part B.3)						
273	208-96-8	Acenaphthene	8270D	0.161	< 0.161	G
275	120-12-7	Anthracene	8270D	0.161	< 0.161	G
--	92-87-5	Benzidine	8270D	1.29	< 1.29	G
276	56-55-3	Benzo(a) anthracene	8270D	0.161	< 0.161	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 5 DUP

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level (1) (mg/kg)	Reporting Results (1) (mg/kg)	Sample Type (2)
648	50-32-8	Benzo(b)fluoranthene (3,4-Bensofluoranthene)	8270D	0.161	< 0.161	G
278	207-08-9	Benzo(k) fluoranthene	8270D	0.161	< 0.161	G
277	50-32-8	Benzo(a)pyrene	8270D	0.161	< 0.161	G
--	111-44-4	Bis 2-Chloroethyl Ether	8270D	0.161	< 0.161	G
279	102-60-1	Bis 2-Chrloroiso-Propyl Ether	8270D	0.161	< 0.161	G
486	85-68-7	Butyl benzyl phthalate	8270D	0.161	< 0.161	G
--	91-58-7	2-Chloronaphthalene	8270D	0.161	< 0.161	G
282	218-01-9	Chrysene	8270D	0.161	< 0.161	G
654	53-70-3	Dibenz(a,h) anthracene	8270D	0.161	< 0.161	G
206	84-74-2	Dibutyl phthalate	8270D	0.161	< 0.161	G
259	95-50-1	1,2-Dichlorobenzene	8270D	0.161	< 0.161	G
264	541-73-1	1,3-Dichlorobenzene	8270D	0.161	< 0.161	G
527	91-94-1	3,3-Dichlorobenzidine	8270D	0.242	< 0.242	G
285	84-66-2	Diethyl phthalate	8270D	0.161	< 0.161	G
170	117-81-7	Di-2-Ethylhexyl Phthalate (Bis (2-Ethlhexyl) Phthalate)	8270D	0.161	< 0.161	G
286	131-11-3	Dimethyl Phthalate	8270D	0.161	< 0.161	G
535	122-66-7	1,2-Dihenylhydrazine	8270D	0.161	< 0.161	G
287	206-44-0	Fluoranthene	8270D	0.161	< 0.161	G
288	86-73-7	Fluorene	8270D	0.161	< 0.161	G
538	77-47-4	Hexachlorocyclopentadiene	8270D	0.435	< 0.435	G
651	193-39-5	Indeno (1,2,3-cd) pyrene	8270D	0.161	< 0.161	G
650	78-59-1	Isophorone	8270D	0.161	< 0.161	G
293	91-20-3	Naphthalene	8270D	0.161	< 0.161	G
573	62-75-9	N-Nitrosodimethylamine	8270D	0.161	< 0.161	G
574	86-30-6	N-Nitrosodiphenylamine	8270D	0.161	< 0.161	G
575	621-64-7	N-Nitrosodi-n-proplyamine	8270D	0.161	< 0.161	G
296	129-00-0	Pyrene	8270D	0.161	< 0.161	G
263	129-82-1	1,2,4 Trichlorobenzene	8270D	0.161	< 0.161	G
Volatiles (Part B.4)						
171	107-02-8	Acrolein	8260B	0.0445	< 0.0445	G
204	107-13-1	Acrylonitrile (Vinyl Cyanide)	8260B	0.0089	< 0.0089	G
484	75-25-2	Bromoform	8260B	0.0018	< 0.0018	G
652	124-48-1	Chlorodibromomethane	8260B	0.0018	< 0.0018	G
649	75-09-2	Dichloromethane (Methylene chloride)	8260B	0.0018	< 0.0018	G
244	75-27-4	Dichlorobromomethane	8260B	0.0018	< 0.0018	G
262	156-60-5	Trans 1,2-Dichloroethylene	8260B	0.0018	< 0.0018	G
261	78-87-5	1,2-Dichloropropane	8260B	0.0018	< 0.0018	G
265	542-75-6	1,3-Dichloropropene (1,3-Dichlorpropylene)	8260B	0.0036	< 0.0036	G
172	100-41-4	Ethylbenzene	8260B	0.0018	< 0.0018	G
--	74-83-9	Methyl Bromide	8260B	0.0018	< 0.0018	G
--	78-93-3	2-Butanone (Methyl Ethyl Ketone (MEK))	8260B	0.0089	< 0.0089	G
596	79-34-5	1,1,2,2-Tetrachloroethane	8260B	0.0018	< 0.0018	G

DEPARTMENT OF ENVIRONMENTAL QUALITY

Dredge Spoils Monitoring

ATTACHMENT B, Page 4 of 4

FACILITY NAME: Virginia Power - Possum Point VPEDS PERMIT NO.: VA0002071

DATE: July 10, 2015 PROJECT: Possum Pond ABC Ash - ABC 5 DUP

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level [1] (mg/kg)	Reporting Results [1] (mg/kg)	Sample Type [2]
222	108-88-3	Toluene	8260B	0.0018	< 0.0018	G
373	79-00-5	1,1,2-Trichloroethane	8260B	0.0018	< 0.0018	G
155	79-01-6	Trichloroethylene	8260B	0.0018	< 0.0018	G
Acids Extratable (part B.5)						
267	95-57-8	2-Chlorophenol	8270D	0.435	< 0.435	G
268	120-83-2	2,4 Dichlorophenol	8270D	0.323	< 0.323	G
269	105-67-9	2,4 Dimethylphenol	8270D	0.435	< 0.435	G
--	534-52-1	2-Methyl-2,4-Dinitrophenol (4,6-Dinitro-O-Cresol)	8270D	0.435	< 0.435	G
270	51.28-5	2,4 Dinitrophenol	8270D	0.323	< 0.323	G
175	108-95-2	Phenol	8270D	0.435	< 0.435	G
Miscellaneous (Part B.6)						
018		Cyanide, Total	9012B	0.43	< 0.43	G
350		Tributyltin	Krone	0.0098	< 0.0098	G
257		TPH (Total petroleum Hydrocarbons)	9071B	340	561	G

I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statues may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

David A. Craymer

Name of Principal Executive Officer or Authorized Agent

VP Power Generation, System Operations

Title

Signature of Principal Executive Officer or Authorized Agent

7/14/15

Date

Footnotes to Water Quality Monitoring Attachment B

(1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.

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(2) Sample Type:

G= Grab- An individual sample collected in less than fifteen (15) minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and repot the average results provided that the individual grab results are also reported

(3) Any approved method presented in 40 CFR Part 136

(4) The QL is at the discretion of the premittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.

EXHIBIT E
Analytical Laboratory Reports

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ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

July 9, 2015

Mr. Ed Sciulli
GAI Consultants
385 E. Waterfront Dr.
Homestead, PA 15120

Certificate of Analysis

Revised Report - 7/9/2015 11:19:23 AM - See workorder comment section for explanation

Project Name:	**2015-VIRGINIA POWER-POSSUM**	Workorder:	**2075868**
Purchase Order:		Workorder ID:	**Dominion Possum Point**

Dear Mr. Sciulli:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, June 9, 2015.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Shannon Butler (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Ms. Katie Tuite

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Shannon Butler

Ms. Shannon Butler
Project Coordinator

ALS Environmental
34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

SAMPLE SUMMARY

Workorder: 2075868 Dominion Possum Point

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2075868001	ABC 1 Grab	Solid	6/8/2015 11:00	6/9/2015 19:55	Collected by Client
2075868002	ABC 1 Comp	Solid	6/8/2015 11:10	6/9/2015 19:55	Collected by Client
2075868003	ABC 5 Grab	Solid	6/8/2015 13:50	6/9/2015 19:55	Collected by Client
2075868004	ABC 5 Comp	Solid	6/8/2015 14:00	6/9/2015 19:55	Collected by Client
2075868005	ABC 5 Grab Dup	Solid	6/8/2015 13:50	6/9/2015 19:55	Collected by Client
2075868006	ABC 5 Comp Dup	Solid	6/8/2015 14:10	6/9/2015 19:55	Collected by Client

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)

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PROJECT SUMMARY

Workorder: 2075868 Dominion Possum Point

Workorder Comments

See attached subcontracted tributylin results from ALS-Kelso. VLF 7/7/15

See attached subcontracted trivalent arsenic results from Brooks Rand. VLF 7/7/15

This report was modified on 7/7/15 to attach subcontracting and add PCB. VLF

Sample Comments

Lab ID: 2075868002 **Sample ID:** ABC 1 Comp **Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Lab ID: 2075868004 **Sample ID:** ABC 5 Comp **Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Lab ID: 2075868005 **Sample ID:** ABC 5 Grab Dup **Sample Type:** SAMPLE

One or more of the method 8260 internal standards were recovered outside of the control limits. The sample was re-analyzed with similar results, indicating a significant matrix interference.

Lab ID: 2075868006 **Sample ID:** ABC 5 Comp Dup **Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868001** Date Collected: 6/8/2015 11:00 Matrix: Solid

Sample ID: **ABC 1 Grab** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS										
Benzene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:20	JPA	D
2-Butanone	ND		ug/L	200	SW846 8260B			6/15/15 08:20	JPA	D
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B			6/15/15 08:20	JPA	D
Chlorobenzene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:20	JPA	D
Chloroform	ND		ug/L	20.0	SW846 8260B			6/15/15 08:20	JPA	D
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B			6/15/15 08:20	JPA	D
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:20	JPA	D
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:20	JPA	D
Trichloroethene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:20	JPA	D
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B			6/15/15 08:20	JPA	D
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	99.3		%	62 - 133	SW846 8260B			6/15/15 08:20	JPA	D
4-Bromofluorobenzene (S)	104		%	79 - 114	SW846 8260B			6/15/15 08:20	JPA	D
Dibromofluoromethane (S)	96.1		%	78 - 116	SW846 8260B			6/15/15 08:20	JPA	D
Toluene-d8 (S)	94.4		%	76 - 127	SW846 8260B			6/15/15 08:20	JPA	D
VOLATILE ORGANICS										
Acrolein	ND		ug/kg	61.0	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Acrylonitrile	ND		ug/kg	12.2	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Bromodichloromethane	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Bromoform	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Bromomethane	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
2-Butanone	ND		ug/kg	12.2	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Chlorodibromomethane	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
1,2-Dichloropropane	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
1,3-Dichloropropene, Total	ND		ug/kg	4.9	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Ethylbenzene	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Methylene Chloride	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Toluene	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Trichloroethene	ND		ug/kg	2.4	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	102		%	56 - 124	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
4-Bromofluorobenzene (S)	103		%	51 - 128	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
Dibromofluoromethane (S)	115		%	62 - 123	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868001** Date Collected: 6/8/2015 11:00 Matrix: Solid
Sample ID: **ABC 1 Grab** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	104		%	59 - 131	SW846 8260B	6/8/15	JPA	6/11/15 11:56	JPA	A
WET CHEMISTRY										
Moisture	41.7		%	0.1	S2540G-11			6/15/15 15:46	JP	A
Total Solids	58.3		%	0.1	S2540G-11			6/15/15 15:46	JP	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868002** Date Collected: 6/8/2015 11:10 Matrix: Solid
Sample ID: **ABC 1 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Anthracene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Benzidine	ND		ug/kg	1400	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Benzo(a)anthracene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Benzo(a)pyrene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Benzo(b)fluoranthene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Benzo(k)fluoranthene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Butylbenzylphthalate	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
bis(2-Chloroethyl)ether	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
2-Chloronaphthalene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
2-Chlorophenol	ND		ug/kg	472	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Chrysene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Di-n-Butylphthalate	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Dibenzo(a,h)anthracene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
1,2-Dichlorobenzene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
1,3-Dichlorobenzene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
3,3-Dichlorobenzidine	ND		ug/kg	262	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
2,4-Dichlorophenol	ND		ug/kg	350	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Diethylphthalate	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
2,4-Dimethylphenol	ND		ug/kg	472	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Dimethylphthalate	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
2,4-Dinitrophenol	ND		ug/kg	350	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
1,2-Diphenylhydrazine	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Fluoranthene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Fluorene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Hexachlorocyclopentadiene	ND		ug/kg	472	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Isophorone	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Kepone	ND		ug/kg	1750	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
2-Methyl-4,6-dinitrophenol	ND		ug/kg	472	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Naphthalene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
N-Nitrosodimethylamine	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
N-Nitrosodiphenylamine	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Phenol	ND		ug/kg	472	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868002** Date Collected: 6/8/2015 11:10 Matrix: Solid
Sample ID: **ABC 1 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pyrene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
1,2,4-Trichlorobenzene	ND		ug/kg	175	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	58.2		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	60.3		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	58.1		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	59.4		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	49.3		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	49.1		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Nitrobenzene-d5 (S)	54.3		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	56		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	50.1		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	51.9		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Terphenyl-d14 (S)	58		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	62.3		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 13:58	CGS	A
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.058	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	
Aroclor-1016	ND		mg/kg	0.058	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	
Aroclor-1221	ND		mg/kg	0.058	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	
Aroclor-1232	ND		mg/kg	0.058	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	
Aroclor-1242	ND		mg/kg	0.058	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	
Aroclor-1248	ND		mg/kg	0.058	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868002** Date Collected: 6/8/2015 11:10 Matrix: Solid
Sample ID: **ABC 1 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Aroclor-1254	ND		mg/kg	0.058	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	
Aroclor-1260	ND		mg/kg	0.058	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	95.2		%	46 - 120	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	
Tetrachloro-m-xylene (S)	54.3		%	52 - 115	SW846 8082A	6/11/15	KAC	7/8/15 14:25	EGO	
PESTICIDES										
Aldrin	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
alpha-BHC	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
beta-BHC	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
delta-BHC	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
gamma-BHC	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
alpha-Chlordane	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
gamma-Chlordane	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
4,4'-DDD	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
4,4'-DDE	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
4,4'-DDT	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Dieldrin	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Endosulfan I	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Endosulfan II	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Endosulfan Sulfate	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Endrin	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Endrin Aldehyde	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Endrin Ketone	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Heptachlor	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Heptachlor Epoxide	ND		ug/kg	15.0	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Methoxychlor	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Mirex	ND		ug/kg	29.2	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Toxaphene	ND		ug/kg	115	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	46.1		%	30 - 135	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
Tetrachloro-m-xylene (S)	35.7		%	30 - 111	SW846 8081B	6/11/15	KAC	6/13/15 18:07	RWS	A
ORGANOPHOSPHORUS COMPOUNDS										
Acetochlor	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Alachlor	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Atrazine	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Azinphos Methyl	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868002** Date Collected: 6/8/2015 11:10 Matrix: Solid
Sample ID: **ABC 1 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Bolstar	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Bromacil	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Butachlor	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Chlorpyrifos	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Coumaphos	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Cyanizine	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Demeton	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Diazinon	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Dichlorovos	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
O,O-Diethyl O-pyrazinylphoshor	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Dimethoate	85.6		ug/kg	79.7	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
EPN	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Ethoprop	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Fensulfothion	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Fenthion	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Malathion	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Methyl Parathion	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Metolachlor	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Metribuzin	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Mevinphos	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Molinate	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Parathion	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Pendimethalin(Prowl)	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Phorate	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Prometon	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Propachlor	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Ronnel	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Simazine	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Sulfotep	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Tetrachlorinphos	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Tokuthion	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Trichloronate	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Trifluralin	ND		ug/kg	62.0	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	37.7		%	16 - 169	SW846 8141B	6/12/15	KAC	6/13/15 17:07	EGO	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868002** Date Collected: 6/8/2015 11:10 Matrix: Solid

Sample ID: **ABC 1 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	61.4		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	51.4		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 02:01	KJH	A
WET CHEMISTRY										
Cyanide, Total	ND		mg/kg	0.48	SW846 9012B	6/12/15	SYB	6/13/15 19:44	LJF	A
Hexane Extractable Material	ND		mg/kg	377	SW846 9071B			6/17/15 13:00	AT	A
Hexavalent Chromium	ND		mg/kg	3.6	SW846 7196A	6/15/15	THB	6/15/15 18:00	THB	A
Moisture	46.4		%	0.1	S2540G-11			6/11/15 09:47	JP	A
Silica Gel Treated HEM	ND		mg/kg	377	SW846 9071B			6/17/15 13:00	AT	A
Total Solids	53.6		%	0.1	S2540G-11			6/11/15 09:47	JP	A
METALS										
Trivalent Chromium	21.3		mg/kg	3.7	Calculation			6/18/15 15:01	CF	A
Antimony, Total	4.5		mg/kg	1.7	SW846 6020A	6/11/15	JPS	6/12/15 02:58	ZMC	A1
Arsenic, Total	93.2	6	mg/kg	2.5	SW846 6020A	6/11/15	JPS	6/12/15 12:30	MO	A1
Chromium, Total	21.3		mg/kg	1.7	SW846 6020A	6/11/15	JPS	6/12/15 02:58	ZMC	A1
Copper, Total	59.0	1	mg/kg	4.2	SW846 6020A	6/11/15	JPS	6/12/15 02:58	ZMC	A1
Nickel, Total	30.1	2	mg/kg	4.2	SW846 6020A	6/11/15	JPS	6/12/15 02:58	ZMC	A1
Thallium, Total	1.4		mg/kg	0.83	SW846 6020A	6/11/15	JPS	6/12/15 02:58	ZMC	A1
Zinc, Total	26.1		mg/kg	4.2	SW846 6020A	6/11/15	JPS	6/12/15 02:58	ZMC	A1
TCLP METALS										
Arsenic, Total	ND		mg/L	0.14	SW846 6010C	6/15/15	JPS	6/16/15 11:44	SRT	A3
Barium, Total	4.0		mg/L	2.8	SW846 6010C	6/15/15	JPS	6/16/15 11:44	SRT	A3
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/15/15	JPS	6/16/15 11:44	SRT	A3
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/15/15	JPS	6/16/15 11:44	SRT	A3
Lead, Total	ND		mg/L	0.033	SW846 6010C	6/15/15	JPS	6/16/15 11:44	SRT	A3
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/15/15	MNP	6/15/15 13:43	MNP	A2
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/15/15	JPS	6/16/15 11:44	SRT	A3
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/15/15	JPS	6/16/15 11:44	SRT	A3
TCLP SEMI-VOLATILES										
mp-Cresol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
o-Cresol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868002** Date Collected: 6/8/2015 11:10 Matrix: Solid
Sample ID: **ABC 1 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
Pentachlorophenol	ND		ug/L	320	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
Pyridine	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	73		%	40 - 125	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
2-Fluorobiphenyl (S)	58.3		%	50 - 110	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
2-Fluorophenol (S)	41.6		%	20 - 75	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
Nitrobenzene-d5 (S)	64		%	40 - 110	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
Phenol-d5 (S)	26.1		%	13 - 49	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
Terphenyl-d14 (S)	81.8		%	50 - 122	SW846 8270D	6/16/15	LEH	6/16/15 17:43	CGS	A
TCLP PESTICIDES										
gamma-BHC	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 12:52	RWS	A
Chlordane	ND		ug/L	10.0	SW846 8081B	6/16/15	CAC	6/17/15 12:52	RWS	A
Endrin	ND	3	ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 12:52	RWS	A
Heptachlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 12:52	RWS	A
Heptachlor Epoxide	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 12:52	RWS	A
Methoxychlor	ND	4	ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 12:52	RWS	A
Toxaphene	ND	5	ug/L	20.0	SW846 8081B	6/16/15	CAC	6/17/15 12:52	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	59.7		%	30 - 140	SW846 8081B	6/16/15	CAC	6/17/15 12:52	RWS	A
Tetrachloro-m-xylene (S)	75.2		%	30 - 123	SW846 8081B	6/16/15	CAC	6/17/15 12:52	RWS	A
TCLP HERBICIDES										
2,4-D	ND		ug/L	4.0	SW846 8151A	6/17/15	PDK	6/18/15 14:01	KJH	A
2,4,5-TP	ND		ug/L	6.0	SW846 8151A	6/17/15	PDK	6/18/15 14:01	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4-Dichlorophenylacetic acid (S)	104		%	14 - 172	SW846 8151A	6/17/15	PDK	6/18/15 14:01	KJH	A
SUBCONTRACTED ANALYSIS										
Subcontracted Analysis	See attached				Subcontract			6/16/15 00:00	SUB	E

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID:	**2075868002**	Date Collected:	6/8/2015 11:10	Matrix:	Solid
Sample ID:	**ABC 1 Comp**	Date Received:	6/9/2015 19:55		

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	*Cntr*

Shannon Butler

Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868003** Date Collected: 6/8/2015 13:50 Matrix: Solid

Sample ID: **ABC 5 Grab** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS										
Benzene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:55	JPA	D
2-Butanone	ND		ug/L	200	SW846 8260B			6/15/15 08:55	JPA	D
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B			6/15/15 08:55	JPA	D
Chlorobenzene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:55	JPA	D
Chloroform	ND		ug/L	20.0	SW846 8260B			6/15/15 08:55	JPA	D
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B			6/15/15 08:55	JPA	D
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:55	JPA	D
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:55	JPA	D
Trichloroethene	ND		ug/L	20.0	SW846 8260B			6/15/15 08:55	JPA	D
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B			6/15/15 08:55	JPA	D
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	97.2		%	62 - 133	SW846 8260B			6/15/15 08:55	JPA	D
4-Bromofluorobenzene (S)	101		%	79 - 114	SW846 8260B			6/15/15 08:55	JPA	D
Dibromofluoromethane (S)	94.6		%	78 - 116	SW846 8260B			6/15/15 08:55	JPA	D
Toluene-d8 (S)	93.7		%	76 - 127	SW846 8260B			6/15/15 08:55	JPA	D
VOLATILE ORGANICS										
Acrolein	ND		ug/kg	47.3	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Acrylonitrile	ND		ug/kg	9.5	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Bromodichloromethane	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Bromoform	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Bromomethane	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
2-Butanone	ND		ug/kg	9.5	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Chlorodibromomethane	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
1,2-Dichloropropane	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
1,3-Dichloropropene, Total	ND		ug/kg	3.8	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Ethylbenzene	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Methylene Chloride	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Toluene	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Trichloroethene	ND		ug/kg	1.9	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	101		%	56 - 124	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
4-Bromofluorobenzene (S)	128		%	51 - 128	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
Dibromofluoromethane (S)	119		%	62 - 123	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868003** Date Collected: 6/8/2015 13:50 Matrix: Solid
Sample ID: **ABC 5 Grab** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	121		%	59 - 131	SW846 8260B	6/8/15	JPA	6/11/15 12:19	JPA	A
WET CHEMISTRY										
Moisture	40.4		%	0.1	S2540G-11			6/11/15 09:47	JP	A
Total Solids	59.6		%	0.1	S2540G-11			6/11/15 09:47	JP	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868004** Date Collected: 6/8/2015 14:00 Matrix: Solid
Sample ID: **ABC 5 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Anthracene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Benzidine	ND		ug/kg	1330	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Benzo(a)anthracene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Benzo(a)pyrene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Benzo(b)fluoranthene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Benzo(k)fluoranthene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Butylbenzylphthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
bis(2-Chloroethyl)ether	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
2-Chloronaphthalene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
2-Chlorophenol	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Chrysene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Di-n-Butylphthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Dibenzo(a,h)anthracene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
1,2-Dichlorobenzene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
1,3-Dichlorobenzene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
3,3-Dichlorobenzidine	ND		ug/kg	249	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
2,4-Dichlorophenol	ND		ug/kg	332	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Diethylphthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
2,4-Dimethylphenol	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Dimethylphthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
2,4-Dinitrophenol	ND		ug/kg	332	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
1,2-Diphenylhydrazine	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Fluoranthene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Fluorene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Hexachlorocyclopentadiene	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Isophorone	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Kepone	ND		ug/kg	1660	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
2-Methyl-4,6-dinitrophenol	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Naphthalene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
N-Nitrosodimethylamine	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
N-Nitrosodiphenylamine	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Phenol	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868004** Date Collected: 6/8/2015 14:00 Matrix: Solid
Sample ID: **ABC 5 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pyrene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
1,2,4-Trichlorobenzene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	79.7		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	82.6		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
2-Fluorobiphenyl (S)	76.1		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	74.4		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
2-Fluorophenol (S)	70		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	69.6		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Nitrobenzene-d5 (S)	73.7		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	75.9		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Phenol-d5 (S)	70.9		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	68.1		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	69.8		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	74.9		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 14:23	CGS	A
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.054	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
Aroclor-1016	ND		mg/kg	0.054	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
Aroclor-1221	ND		mg/kg	0.054	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
Aroclor-1232	ND		mg/kg	0.054	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
Aroclor-1242	ND		mg/kg	0.054	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
Aroclor-1248	ND		mg/kg	0.054	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
Aroclor-1254	ND		mg/kg	0.054	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
Aroclor-1260	ND		mg/kg	0.054	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868004** Date Collected: 6/8/2015 14:00 Matrix: Solid
Sample ID: **ABC 5 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Decachlorobiphenyls (S)	86.9		%	46 - 120	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
Tetrachloro-m-xylene (S)	65.3		%	52 - 115	SW846 8082A	6/11/15	KAC	7/8/15 14:36	EGO	
PESTICIDES										
Aldrin	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
alpha-BHC	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
beta-BHC	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
delta-BHC	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
gamma-BHC	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
alpha-Chlordane	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
gamma-Chlordane	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
4,4'-DDD	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
4,4'-DDE	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
4,4'-DDT	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Dieldrin	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Endosulfan I	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Endosulfan II	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Endosulfan Sulfate	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Endrin	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Endrin Aldehyde	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Endrin Ketone	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Heptachlor	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Heptachlor Epoxide	ND		ug/kg	14.0	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Methoxychlor	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Mirex	ND		ug/kg	27.2	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Toxaphene	ND		ug/kg	107	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	55		%	30 - 135	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
Tetrachloro-m-xylene (S)	45.1		%	30 - 111	SW846 8081B	6/11/15	KAC	6/13/15 18:23	RWS	A
ORGANOPHOSPHORUS COMPOUNDS										
Acetochlor	ND	15	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Alachlor	ND	6	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Atrazine	ND	4	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Azinphos Methyl	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Bolstar	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Bromacil	ND	7	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Butachlor	ND	11	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Chlorpyrifos	ND	1	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868004** Date Collected: 6/8/2015 14:00 Matrix: Solid

Sample ID: **ABC 5 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Coumaphos	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Cyanizine	ND	9	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Demeton	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Diazinon	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Dichlorovos	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
O,O-Diethyl O-pyrazinylphoshor	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Dimethoate	ND		ug/kg	72.9	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
EPN	ND		ug/kg	97.2	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Ethoprop	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Fensulfothion	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Fenthion	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Malathion	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Methyl Parathion	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Metolachlor	ND	8	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Metribuzin	ND	5	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Mevinphos	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Molinate	ND	12	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Parathion	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Pendimethalin(Prowl)	ND	10	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Phorate	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Prometon	ND	14	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Propachlor	ND	2	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Ronnel	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Simazine	ND	3	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Sulfotep	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Tetrachlorinphos	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Tokuthion	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Trichloronate	ND		ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Trifluralin	ND	13	ug/kg	56.7	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	55		%	16 - 169	SW846 8141B	6/12/15	KAC	6/13/15 17:38	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	55.5		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	70.3		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 02:38	KJH	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868004** Date Collected: 6/8/2015 14:00 Matrix: Solid
Sample ID: **ABC 5 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Cyanide, Total	ND		mg/kg	0.43	SW846 9012B	6/12/15	SYB	6/13/15 19:44	LJF	A
Hexane Extractable Material	371		mg/kg	337	SW846 9071B			6/17/15 13:00	AT	A
Hexavalent Chromium	ND		mg/kg	3.4	SW846 7196A	6/15/15	THB	6/15/15 18:00	THB	A
Moisture	40.6		%	0.1	S2540G-11			6/11/15 09:47	JP	A
Silica Gel Treated HEM	ND		mg/kg	337	SW846 9071B			6/17/15 13:00	AT	A
Total Solids	59.4		%	0.1	S2540G-11			6/11/15 09:47	JP	A
METALS										
Trivalent Chromium	17.2		mg/kg	3.4	Calculation			6/18/15 15:01	CF	A
Antimony, Total	3.2		mg/kg	1.4	SW846 6020A	6/11/15	JPS	6/12/15 03:13	ZMC	A1
Arsenic, Total	70.0		mg/kg	2.1	SW846 6020A	6/11/15	JPS	6/12/15 12:45	MO	A1
Chromium, Total	17.2		mg/kg	1.4	SW846 6020A	6/11/15	JPS	6/12/15 03:13	ZMC	A1
Copper, Total	49.9		mg/kg	3.6	SW846 6020A	6/11/15	JPS	6/12/15 03:13	ZMC	A1
Nickel, Total	18.7		mg/kg	3.6	SW846 6020A	6/11/15	JPS	6/12/15 03:13	ZMC	A1
Thallium, Total	1.1		mg/kg	0.71	SW846 6020A	6/11/15	JPS	6/12/15 03:13	ZMC	A1
Zinc, Total	31.7		mg/kg	3.6	SW846 6020A	6/11/15	JPS	6/12/15 03:13	ZMC	A1
TCLP METALS										
Arsenic, Total	0.15		mg/L	0.14	SW846 6010C	6/15/15	JPS	6/16/15 11:48	SRT	A3
Barium, Total	5.3		mg/L	2.8	SW846 6010C	6/15/15	JPS	6/16/15 11:48	SRT	A3
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/15/15	JPS	6/16/15 11:48	SRT	A3
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/15/15	JPS	6/16/15 11:48	SRT	A3
Lead, Total	ND		mg/L	0.033	SW846 6010C	6/15/15	JPS	6/16/15 11:48	SRT	A3
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/15/15	MNP	6/15/15 13:44	MNP	A2
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/15/15	JPS	6/16/15 11:48	SRT	A3
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/15/15	JPS	6/16/15 11:48	SRT	A3
TCLP SEMI-VOLATILES										
mp-Cresol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
o-Cresol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Pentachlorophenol	ND		ug/L	320	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Pyridine	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868004** Date Collected: 6/8/2015 14:00 Matrix: Solid

Sample ID: **ABC 5 Comp** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	93.6		%	40 - 125	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
2-Fluorobiphenyl (S)	75.6		%	50 - 110	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
2-Fluorophenol (S)	51.2		%	20 - 75	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Nitrobenzene-d5 (S)	84.9		%	40 - 110	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Phenol-d5 (S)	32.7		%	13 - 49	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
Terphenyl-d14 (S)	87.1		%	50 - 122	SW846 8270D	6/16/15	LEH	6/16/15 18:59	CGS	A
TCLP PESTICIDES										
gamma-BHC	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:39	RWS	A
Chlordane	ND		ug/L	10.0	SW846 8081B	6/16/15	CAC	6/17/15 13:39	RWS	A
Endrin	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:39	RWS	A
Heptachlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:39	RWS	A
Heptachlor Epoxide	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:39	RWS	A
Methoxychlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:39	RWS	A
Toxaphene	ND		ug/L	20.0	SW846 8081B	6/16/15	CAC	6/17/15 13:39	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	65		%	30 - 140	SW846 8081B	6/16/15	CAC	6/17/15 13:39	RWS	A
Tetrachloro-m-xylene (S)	76.7		%	30 - 123	SW846 8081B	6/16/15	CAC	6/17/15 13:39	RWS	A
TCLP HERBICIDES										
2,4-D	ND		ug/L	4.0	SW846 8151A	6/17/15	PDK	6/18/15 14:38	KJH	A
2,4,5-TP	ND		ug/L	6.0	SW846 8151A	6/17/15	PDK	6/18/15 14:38	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4-Dichlorophenylacetic acid (S)	113		%	14 - 172	SW846 8151A	6/17/15	PDK	6/18/15 14:38	KJH	A
SUBCONTRACTED ANALYSIS										
Subcontracted Analysis	See attached				Subcontract			6/16/15 00:00	SUB	E

Shannon Butler

Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868005** Date Collected: 6/8/2015 13:50 Matrix: Solid

Sample ID: **ABC 5 Grab Dup** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS										
Benzene	ND		ug/L	20.0	SW846 8260B			6/15/15 09:29	JPA	D
2-Butanone	ND		ug/L	200	SW846 8260B			6/15/15 09:29	JPA	D
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B			6/15/15 09:29	JPA	D
Chlorobenzene	ND		ug/L	20.0	SW846 8260B			6/15/15 09:29	JPA	D
Chloroform	ND		ug/L	20.0	SW846 8260B			6/15/15 09:29	JPA	D
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B			6/15/15 09:29	JPA	D
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B			6/15/15 09:29	JPA	D
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B			6/15/15 09:29	JPA	D
Trichloroethene	ND		ug/L	20.0	SW846 8260B			6/15/15 09:29	JPA	D
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B			6/15/15 09:29	JPA	D
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	98.2		%	62 - 133	SW846 8260B			6/15/15 09:29	JPA	D
4-Bromofluorobenzene (S)	100		%	79 - 114	SW846 8260B			6/15/15 09:29	JPA	D
Dibromofluoromethane (S)	96.5		%	78 - 116	SW846 8260B			6/15/15 09:29	JPA	D
Toluene-d8 (S)	91.5		%	76 - 127	SW846 8260B			6/15/15 09:29	JPA	D
VOLATILE ORGANICS										
Acrolein	ND		ug/kg	44.5	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Acrylonitrile	ND		ug/kg	8.9	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Bromodichloromethane	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Bromoform	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Bromomethane	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
2-Butanone	ND		ug/kg	8.9	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Chlorodibromomethane	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
trans-1,2-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
1,2-Dichloropropane	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
1,3-Dichloropropene, Total	ND		ug/kg	3.6	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Ethylbenzene	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Methylene Chloride	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Toluene	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
1,1,2-Trichloroethane	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Trichloroethene	ND		ug/kg	1.8	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	192	7	%	56 - 124	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
4-Bromofluorobenzene (S)	166	9	%	51 - 128	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
Dibromofluoromethane (S)	209	6	%	62 - 123	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868005** Date Collected: 6/8/2015 13:50 Matrix: Solid
Sample ID: **ABC 5 Grab Dup** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	178	8	%	59 - 131	SW846 8260B	6/8/15	TMP	6/12/15 17:39	TMP	B
WET CHEMISTRY										
Moisture	45.8		%	0.1	S2540G-11			6/11/15 09:47	JP	A
Total Solids	54.2		%	0.1	S2540G-11			6/11/15 09:47	JP	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868006** Date Collected: 6/8/2015 14:10 Matrix: Solid
Sample ID: **ABC 5 Comp Dup** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Anthracene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Benzidine	ND		ug/kg	1290	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Benzo(a)anthracene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Benzo(a)pyrene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Benzo(b)fluoranthene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Benzo(k)fluoranthene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Butylbenzylphthalate	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
bis(2-Chloroethyl)ether	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
2-Chloronaphthalene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
2-Chlorophenol	ND		ug/kg	435	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Chrysene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Di-n-Butylphthalate	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Dibenzo(a,h)anthracene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
1,2-Dichlorobenzene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
1,3-Dichlorobenzene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
3,3-Dichlorobenzidine	ND		ug/kg	242	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
2,4-Dichlorophenol	ND		ug/kg	323	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Diethylphthalate	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
2,4-Dimethylphenol	ND		ug/kg	435	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Dimethylphthalate	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
2,4-Dinitrophenol	ND		ug/kg	323	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
1,2-Diphenylhydrazine	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Fluoranthene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Fluorene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Hexachlorocyclopentadiene	ND		ug/kg	435	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Isophorone	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Kepone	ND		ug/kg	1610	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
2-Methyl-4,6-dinitrophenol	ND		ug/kg	435	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Naphthalene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
N-Nitrosodimethylamine	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
N-Nitrosodiphenylamine	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Phenol	ND		ug/kg	435	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868006** Date Collected: 6/8/2015 14:10 Matrix: Solid
Sample ID: **ABC 5 Comp Dup** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pyrene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
1,2,4-Trichlorobenzene	ND		ug/kg	161	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	72.4		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	75		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	63.2		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	64.6		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	57.8		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	57.5		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	63.5		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	61.7		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Phenol-d5 (S)	57.7		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	59.5		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Terphenyl-d14 (S)	64.1		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	68.7		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 14:47	CGS	A
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.055	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	
Aroclor-1016	ND		mg/kg	0.055	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	
Aroclor-1221	ND		mg/kg	0.055	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	
Aroclor-1232	ND		mg/kg	0.055	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	
Aroclor-1242	ND		mg/kg	0.055	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	
Aroclor-1248	ND		mg/kg	0.055	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868006** Date Collected: 6/8/2015 14:10 Matrix: Solid
Sample ID: **ABC 5 Comp Dup** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Aroclor-1254	ND		mg/kg	0.055	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	
Aroclor-1260	ND		mg/kg	0.055	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	115		%	46 - 120	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	
Tetrachloro-m-xylene (S)	74.8		%	52 - 115	SW846 8082A	6/11/15	KAC	7/8/15 14:48	EGO	
PESTICIDES										
Aldrin	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
alpha-BHC	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
beta-BHC	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
delta-BHC	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
gamma-BHC	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
alpha-Chlordane	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
gamma-Chlordane	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
4,4'-DDD	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
4,4'-DDE	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
4,4'-DDT	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Dieldrin	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Endosulfan I	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Endosulfan II	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Endosulfan Sulfate	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Endrin	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Endrin Aldehyde	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Endrin Ketone	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Heptachlor	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Heptachlor Epoxide	ND		ug/kg	14.1	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Methoxychlor	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Mirex	ND		ug/kg	27.3	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Toxaphene	ND		ug/kg	108	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	60.8		%	30 - 135	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
Tetrachloro-m-xylene (S)	48.6		%	30 - 111	SW846 8081B	6/11/15	KAC	6/13/15 18:39	RWS	A
ORGANOPHOSPHORUS COMPOUNDS										
Acetochlor	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Alachlor	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Atrazine	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Azinphos Methyl	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868006** Date Collected: 6/8/2015 14:10 Matrix: Solid
Sample ID: **ABC 5 Comp Dup** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Bolstar	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Bromacil	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Butachlor	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Chlorpyrifos	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Coumaphos	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Cyanizine	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Demeton	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Diazinon	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Dichlorovos	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
O,O-Diethyl O-pyrazinylphoshor	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Dimethoate	ND		ug/kg	74.0	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
EPN	ND		ug/kg	98.6	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Ethoprop	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Fensulfothion	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Fenthion	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Malathion	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Methyl Parathion	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Metolachlor	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Metribuzin	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Mevinphos	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Molinate	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Parathion	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Pendimethalin(Prowl)	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Phorate	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Prometon	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Propachlor	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Ronnel	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Simazine	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Sulfotep	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Tetrachlorinphos	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Tokuthion	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Trichloronate	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Trifluralin	ND		ug/kg	57.5	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	56.7		%	16 - 169	SW846 8141B	6/12/15	KAC	6/13/15 18:41	EGO	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868006** Date Collected: 6/8/2015 14:10 Matrix: Solid

Sample ID: **ABC 5 Comp Dup** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	70.9		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	82.4		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 03:15	KJH	A
WET CHEMISTRY										
Cyanide, Total	ND		mg/kg	0.43	SW846 9012B	6/12/15	SYB	6/13/15 19:44	LJF	A
Hexane Extractable Material	561		mg/kg	340	SW846 9071B			6/17/15 13:00	AT	A
Hexavalent Chromium	ND		mg/kg	3.3	SW846 7196A	6/15/15	THB	6/15/15 18:00	THB	A
Moisture	41.1		%	0.1	S2540G-11			6/11/15 09:47	JP	A
Silica Gel Treated HEM	ND		mg/kg	340	SW846 9071B			6/17/15 13:00	AT	A
Total Solids	58.9		%	0.1	S2540G-11			6/11/15 09:47	JP	A
METALS										
Trivalent Chromium	16.9		mg/kg	3.4	Calculation			6/18/15 15:01	CF	A
Antimony, Total	3.1		mg/kg	1.7	SW846 6020A	6/11/15	JPS	6/12/15 03:28	ZMC	A1
Arsenic, Total	58.6		mg/kg	2.5	SW846 6020A	6/11/15	JPS	6/12/15 12:49	MO	A1
Chromium, Total	16.9		mg/kg	1.7	SW846 6020A	6/11/15	JPS	6/12/15 03:28	ZMC	A1
Copper, Total	47.3		mg/kg	4.2	SW846 6020A	6/11/15	JPS	6/12/15 03:28	ZMC	A1
Nickel, Total	18.1		mg/kg	4.2	SW846 6020A	6/11/15	JPS	6/12/15 03:28	ZMC	A1
Thallium, Total	1.1		mg/kg	0.85	SW846 6020A	6/11/15	JPS	6/12/15 03:28	ZMC	A1
Zinc, Total	32.8		mg/kg	4.2	SW846 6020A	6/11/15	JPS	6/12/15 03:28	ZMC	A1
TCLP METALS										
Arsenic, Total	0.25		mg/L	0.14	SW846 6010C	6/15/15	JPS	6/16/15 11:52	SRT	A3
Barium, Total	6.9		mg/L	2.8	SW846 6010C	6/15/15	JPS	6/16/15 11:52	SRT	A3
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/15/15	JPS	6/16/15 11:52	SRT	A3
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/15/15	JPS	6/16/15 11:52	SRT	A3
Lead, Total	ND		mg/L	0.033	SW846 6010C	6/15/15	JPS	6/16/15 11:52	SRT	A3
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/15/15	MNP	6/15/15 13:45	MNP	A2
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/15/15	JPS	6/16/15 11:52	SRT	A3
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/15/15	JPS	6/16/15 11:52	SRT	A3
TCLP SEMI-VOLATILES										
mp-Cresol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
o-Cresol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID: **2075868006** Date Collected: 6/8/2015 14:10 Matrix: Solid
Sample ID: **ABC 5 Comp Dup** Date Received: 6/9/2015 19:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
Pentachlorophenol	ND		ug/L	320	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
Pyridine	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	90.5		%	40 - 125	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
2-Fluorobiphenyl (S)	73.8		%	50 - 110	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
2-Fluorophenol (S)	51.7		%	20 - 75	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
Nitrobenzene-d5 (S)	82.3		%	40 - 110	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
Phenol-d5 (S)	32.7		%	13 - 49	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
Terphenyl-d14 (S)	82.9		%	50 - 122	SW846 8270D	6/16/15	LEH	6/16/15 19:25	CGS	A
TCLP PESTICIDES										
gamma-BHC	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:55	RWS	A
Chlordane	ND		ug/L	10.0	SW846 8081B	6/16/15	CAC	6/17/15 13:55	RWS	A
Endrin	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:55	RWS	A
Heptachlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:55	RWS	A
Heptachlor Epoxide	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:55	RWS	A
Methoxychlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 13:55	RWS	A
Toxaphene	ND		ug/L	20.0	SW846 8081B	6/16/15	CAC	6/17/15 13:55	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	64.2		%	30 - 140	SW846 8081B	6/16/15	CAC	6/17/15 13:55	RWS	A
Tetrachloro-m-xylene (S)	67.5		%	30 - 123	SW846 8081B	6/16/15	CAC	6/17/15 13:55	RWS	A
TCLP HERBICIDES										
2,4-D	ND		ug/L	4.0	SW846 8151A	6/17/15	PDK	6/18/15 15:15	KJH	A
2,4,5-TP	ND		ug/L	6.0	SW846 8151A	6/17/15	PDK	6/18/15 15:15	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4-Dichlorophenylacetic acid (S)	112		%	14 - 172	SW846 8151A	6/17/15	PDK	6/18/15 15:15	KJH	A
SUBCONTRACTED ANALYSIS										
Subcontracted Analysis	See attached				Subcontract			6/16/15 00:00	SUB	E

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ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

Lab ID:	**2075868006**	Date Collected:	6/8/2015 14:10	Matrix:	Solid
Sample ID:	**ABC 5 Comp Dup**	Date Received:	6/9/2015 19:55		

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	*Cntr*

Shannon Butler

Ms. Shannon Butler
Project Coordinator

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2075868002	1	ABC 1 Comp	SW846 6020A	Copper, Total
One of the two matrix spike analyses performed on this sample failed to meet acceptable recovery limits. The other matrix spike was within acceptable recovery limits. Matrix interferences are the possible cause for the failure.				
2075868002	2	ABC 1 Comp	SW846 6020A	Nickel, Total
One of the two matrix spike analyses performed on this sample failed to meet acceptable recovery limits. The other matrix spike was within acceptable recovery limits. Matrix interferences are the possible cause for the failure.				
2075868002	3	ABC 1 Comp	SW846 8081B	Endrin
The QC sample type MSD for method SW846 8081B was outside the control limits for the analyte Endrin. The RPD was reported as 31 and the upper control limit is 28.				
2075868002	4	ABC 1 Comp	SW846 8081B	Methoxychlor
The QC sample type MSD for method SW846 8081B was outside the control limits for the analyte Methoxychlor. The RPD was reported as 30.9 and the upper control limit is 21.				
2075868002	5	ABC 1 Comp	SW846 8081B	Toxaphene
The QC sample type MSD for method SW846 8081B was outside the control limits for the analyte Toxaphene. The RPD was reported as 0 and the upper control limit is .				
2075868002	6	ABC 1 Comp	SW846 6020A	Arsenic, Total
The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.				
2075868004	1	ABC 5 Comp	SW846 8141B	Chlorpyrifos
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Chlorpyrifos. The % Recovery was reported as 63.7 and the control limits were 70 to 130.				
2075868004	2	ABC 5 Comp	SW846 8141B	Propachlor
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Propachlor. The % Recovery was reported as 57.1 and the control limits were 70 to 130.				
2075868004	3	ABC 5 Comp	SW846 8141B	Simazine
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Simazine. The % Recovery was reported as 42.7 and the control limits were 70 to 130.				
2075868004	4	ABC 5 Comp	SW846 8141B	Atrazine
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Atrazine. The % Recovery was reported as 50.4 and the control limits were 70 to 130.				
2075868004	5	ABC 5 Comp	SW846 8141B	Metribuzin
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Metribuzin. The % Recovery was reported as 49.7 and the control limits were 70 to 130.				
2075868004	6	ABC 5 Comp	SW846 8141B	Alachlor
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Alachlor. The % Recovery was reported as 58.7 and the control limits were 70 to 130.				
2075868004	7	ABC 5 Comp	SW846 8141B	Bromacil
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Bromacil. The % Recovery was reported as 65.6 and the control limits were 70 to 130.				
2075868004	8	ABC 5 Comp	SW846 8141B	Metolachlor
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Metolachlor. The % Recovery was reported as 60.8 and the control limits were 70 to 130.				
2075868004	9	ABC 5 Comp	SW846 8141B	Cyanizine
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Cyanizine. The % Recovery was reported as 37.9 and the control limits were 70 to 130.				
2075868004	10	ABC 5 Comp	SW846 8141B	Pendimethalin(Prowl)
The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Pendimethalin(Prowl). The % Recovery was reported as 68.1 and the control limits were 70 to 130.				

ANALYTICAL RESULTS

Workorder: 2075868 Dominion Possum Point

2075868004	11	ABC 5 Comp	SW846 8141B	Butachlor

The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Butachlor. The % Recovery was reported as 64.5 and the control limits were 70 to 130.

2075868004	12	ABC 5 Comp	SW846 8141B	Molinate

The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Molinate. The % Recovery was reported as 62.3 and the control limits were 70 to 130.

2075868004	13	ABC 5 Comp	SW846 8141B	Trifluralin

The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Trifluralin. The % Recovery was reported as 69.2 and the control limits were 70 to 130.

2075868004	14	ABC 5 Comp	SW846 8141B	Prometon

The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Prometon. The % Recovery was reported as 50.3 and the control limits were 70 to 130.

2075868004	15	ABC 5 Comp	SW846 8141B	Acetochlor

The QC sample type MS for method SW846 8141B was outside the control limits for the analyte Acetochlor. The % Recovery was reported as 59.5 and the control limits were 70 to 130.

2075868005	6	ABC 5 Grab Dup	SW846 8260B	Dibromofluoromethane

The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 209 and the control limits were 62 to 123. This result was reported at a dilution of 1.

2075868005	7	ABC 5 Grab Dup	SW846 8260B	1,2-Dichloroethane-d4

The surrogate 1,2-Dichloroethane-d4 for method SW846 8260B was outside of control limits. The % Recovery was reported as 192 and the control limits were 56 to 124. This result was reported at a dilution of 1.

2075868005	8	ABC 5 Grab Dup	SW846 8260B	Toluene-d8

The surrogate Toluene-d8 for method SW846 8260B was outside of control limits. The % Recovery was reported as 178 and the control limits were 59 to 131. This result was reported at a dilution of 1.

2075868005	9	ABC 5 Grab Dup	SW846 8260B	4-Bromofluorobenzene

The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 166 and the control limits were 51 to 128. This result was reported at a dilution of 1.

ALS Environmental

34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F.717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2

Courier:

Tracking #:

2075868

Co. Name: GAI CONSULTANTS, INC

Contact (Report to): ED SCIULLI, PG Phone: 412-476-2000

Address: 385 E. WATERFRONT DR. HOMESTEAD, PA 15120

Bill to (if different than Report to): PO#:

Project Name/#: DOMINION POSSUM POINT ALS Quote #:

TAT: ✓ Normal-Standard TAT is 10-12 business days. Date Required:
Rush-Subject to ALS approval and surcharges. Approved By:

Email? ✓ Y E. SCIULLI@GAI CONSULTANTS.COM
Fax? Y No.:

					***Container Type	C	C	C	C/C	C	C	A											
					***Container Size	32 oz	40 mL	40 mL	4 oz	4 oz	8 oz	4 oz											
					*** Preservative	NONE	Na4 OH	Me OH	NONE	NONE	NONE	NONE											
					ANALYSES/METHOD REQUESTED	METALS (PART B.1) PCBS (PART B.2) FIELD (EXCEPT VOA) PEST	BYA (PART B3/B5) MISC. (B.4) VOC'S (PART B.4)	VOC'S (PART B.4)	TCLP WASTE (PART A) (EXCEPT VOA) EJC 6/9/15	A53 (SUB TO KELSO)	TRIBUTYLTIN (SUB TO KELSO)	VOC'S (PART B.4) (EXTRA CONTAINER)											
	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Enter Number of Containers Per Analysis																
1	ABC 1 GRAB		6/8/15	11:00	G	SO		2	1	1 ~~2~~ EJC 6/9/15			1										
2	ABC 1 COMP			11:10	C		2				1	1											
3	ABC 5 GRAB			13:50	G			2	1	1 ~~2~~ EJC 6/9/15			1										
4	ABC 5 COMP			14:00	C		2				1	1											
5	ABC 5 GRAB DUP.			13:55	G			2	1	1 ~~2~~ EJC 6/9/15			1										
6	ABC 5 COMP DUP			14:10	C		2				1	1											
7																							
8																							

Receipt Information (completed by Sample Receiver)
Performed by: RWL
Cooler Temp: 1
Therm. ID: 291
No. of Coolers:
Notes:

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
	N	N	N	N	
	Y	Y	Y	Y	
	N	N	N	N	N
	Y	Y	Y	Y	Y

Custody seals Present?	(If present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?

SAMPLED BY (Please Print): EUGENE COONEY JR.

Project Comments:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 GAI CONSULTANTS	6/9/15	7:00	2 [signature] ALS	6/9	958
3 [signature] ALS	6/9/15		4 [signature]	6/9	1641
5 [signature]	6/9		6 SES	6/9	1955
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ (other)

EDDs Required? ☐ If yes, format type:

SDWA Forms? yes ☐ yes ☐ yes ☐ yes ☐

State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐ Other

DOD Criteria Required?

ALS FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc. Rev 01-2013

Analytical Laboratory Services, Inc.
Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 1 of 1
ALSI Quote #:

Client Name: ALS Environmental
Address: 34 Dogwood Lane, Middletown, PA 17057
Contact: Vicki Forney
Phone#: (717) 944-5541
Project Name/#:
Bill To: ALS Environmental
TAT: [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? [x] -Y almdt.subcontract@ALSGlobal.com
Fax? [ ] -Y No.:

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Tributyltin										Sample/COC Comments
Container Type					C										
Container Size					8 oz										
Preservative					None										
2075868 002	6/8/15	1110	G	SO	1										Subcontract: ALS-Kelso
2075868 004	6/8/15	1400	G	SO	1										
2075868 006	6/8/15	1410	G	SO	1										

ANALYSES/METHOD REQUESTED — Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Therm. ID: _____
No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(if present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #: _____

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:
LOGGED BY(signature): DATE TIME
REVIEWED BY(signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	6/15/15	1545	2		
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ USACE ☐
Special Processing: USACE ☐ Navy ☐ ☐
State Samples Collected In: ☐ NY ☐ NJ ☐ PA ☐ NC ☐ other
Reportable to PADEP? Yes ☐ PWSID # _____
Sample Disposal: Lab ☐ Special ☐
EDDs: Format Type- _____

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER MAILING PINK - FILE GOLDENROD - CUSTOMER COPY Rev 5/05

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Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 1 of 1
ALSI Quote #:

Client Name: ALS Environmental
Address: 34 Dogwood Lane
Middletown, PA 17057
Contact: Vicki Forney
Phone#: (717) 944-5541
Project Name/#:
Bill To: ALS Environmental

TAT [x] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? [x] -Y almdt.subcontract@ALSGlobal.com
Fax? [ ] -Y No.:

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Trivalent Arsenic									
Container Type			C											
Container Size			4 oz											
Preservative			None											
2075868 002	6/8/15	1110	G	SO	1									
2075868 004	6/8/15	1400	G	SO	1									
2075868 006	6/8/15	1410	G	SO	1									

ANALYSES/METHOD REQUESTED — Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Therm. ID: _____
No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(if present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #: _____

Sample/COC Comments
Subcontract: Brooks Rand Labs
3958 6th Avenue NW
Seattle, WA 98107

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

LOGGED BY(signature): DATE TIME
REVIEWED BY(signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	6/15/15	1540	2		
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ USACE ☐

Special Processing: USACE ☐ Navy ☐ ☐

State Samples Collected In: ☐ NY ☐ NJ ☐ PA ☐ NC ☐ other

Reportable to PADEP? Yes ☐ PWSID # _____

Sample Disposal: Lab ☐ Special ☐

EDDs: Format Type- _____

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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Rev 5/05

ALS Environmental
ALS Group USA, Corp
1317 South 13th Avenue
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F : +1 360 636 1068
www.alsglobal.com

July 05, 2015

Analytical Report for Service Request No: K1506481

Vicki Forney
ALS Environmental
34 Dogwood Lane
Middletown, PA 17057

RE: 2075868

Dear Vicki,

Enclosed are the results of the sample(s) submitted to our laboratory June 16, 2015
For your reference, these analyses have been assigned our service request number **K1506481.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3364. You may also contact me via email at howard.holmes@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Howard Holmes
Project Manager

ALS Environmental
ALS Group USA, Corp
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Kelso, WA 98626
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www.alsglobal.com

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Butyltins (as cation)

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L14-51
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
ISO 17025	http://www.pjlabs.com/	L14-50
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	03016
Maine DHS	Not available	WA01276
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

ALS Environmental

Chain of Custody

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577- 7222 Fax (360)636- 1068
www.alsglobal.com

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Analytical Laboratory Services, Inc.
Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 14506481
ALSI Quote #:
1 of 1

Client Name: ALS Environmental
Address: 34 Dogwood Lane
Middletown, PA 17057
Contact: Vicki Forney
Phone#: (717) 944-5541
Project Name/#:
Bill To: ALS Environmental
TAT: [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? [x] -Y almdt.subcontract@ALSGlobal.com
Fax? [ ] -Y No.:

Container Type	C
Container Size	8 oz
Preservative	None

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Sample or Field Results Below.

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Tributyltin
2075868 002	6/8/15	1110	G	SO	1
2075868 004	6/8/15	1400	G	SO	1
2075868 006	6/8/15	1410	G	SO	1

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Therm. ID: _____
No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(If present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #: _____

Sample/COC Comments
Subcontract: ALS-Kelso

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

LOGGED BY(signature): DATE TIME
REVIEWED BY(signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	6/15/15	1545	2 [signature] ALS	6/16/15	0915
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] USACE [ ]
Special Processing: USACE [ ] Navy [ ] [ ]
State Samples Collected In: [ ] NY [ ] NJ [ ] PA [ ] NC [ ] other
Reportable to PADEP? Yes [ ]
PWSID #:
Sample Disposal: Lab [ ] Special [ ]
EDDs: Format Type-

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER MAILING PINK - FILE GOLDENROD - CUSTOMER COPY Rev 5/05

PC HH

Cooler Receipt and Preservation Form

Client / Project: ALS Middletown Service Request K15 06481

Received: 6/16/15 Opened: 6/16/15 By: CU Unloaded: 6/16/15 By: CU

1. Samples were received via? *Mail* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____

   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr Factor	Thermometer ID	Cooler COC ID (NA)	Tracking Number NA	Filed
-0.4	-0.4	2.1	2.1	0	353		7738 3605 4133	

4. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
5. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
6. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
12. Was Cl2/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by

Sample ID	Bottle Count & Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

Page ____ *of* ____

ALS Environmental

General Chemistry

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577- 7222 Fax (360)636- 1068
www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	K1506481
Project:	2075868	**Date Collected:**	06/8/15
Sample Matrix:	Soil	**Date Received:**	06/16/15
Analysis Method:	160.3 Modified	**Units:**	Percent
Prep Method:	None	**Basis:**	NA

Solids, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
2075868 002	K1506481-001	**64.4**	-	1	06/16/15 16:38	
2075868 004	K1506481-002	**58.0**	-	1	06/16/15 16:38	
2075868 006	K1506481-003	**60.9**	-	1	06/16/15 16:38	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	K1506481
Project	2075868	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	06/16/15

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	Batch QC	**Units:**	Percent
Lab Code:	K1505626-015	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1505626-015DUP Result	Average	RPD	RPD Limit
Solids, Total	160.3 Modified	-	92.8	92.6	92.7	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Printed 6/18/2015 1:38:43 PM

Superset Reference:15-0000335837 rev 00

ALS Environmental

Butyltins (as cation)

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506481
Project:	2075868	**Date Collected:**	06/08/2015
Sample Matrix:	Soil	**Date Received:**	06/16/2015

Butyltins (as cation)

Sample Name:	2075868 002	**Units:**	ug/Kg
Lab Code:	K1506481-001	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	1.6	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	63	10-120	06/24/15	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506481
Project:	2075868	**Date Collected:**	06/08/2015
Sample Matrix:	Soil	**Date Received:**	06/16/2015

Butyltins (as cation)

Sample Name:	2075868 004	**Units:**	ug/Kg
Lab Code:	K1506481-002	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	1.8	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	64	10-120	06/24/15	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506481
Project:	2075868	**Date Collected:**	06/08/2015
Sample Matrix:	Soil	**Date Received:**	06/16/2015

Butyltins (as cation)

Sample Name:	2075868 006	**Units:**	ug/Kg
Lab Code:	K1506481-003	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	1.7	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	76	10-120	06/24/15	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506481
Project:	2075868	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Butyltins (as cation)

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1505433-5	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	0.98	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	56	10-120	06/24/15	Acceptable

Comments:

QA/QC Report

Client: ALS Environmental - US
Project: 2075868
Sample Matrix: Sediment

Service Request: K1506481

Surrogate Recovery Summary
Butyltins (as cation)

Extraction Method: METHOD
Analysis Method: Krone

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
Batch QC	K1506354-001	75
2075868 002	K1506481-001	63
2075868 004	K1506481-002	64
2075868 006	K1506481-003	76
Batch QCDUP	KWG1505433-1	73
Method Blank	KWG1505433-5	56
Batch QCMS	KWG1505433-2	77
Batch QCDMS	KWG1505433-3	70
Lab Control Sample	KWG1505433-4	76

Surrogate Recovery Control Limits (%)

Sur1 = Tri-n-propyltin 10-120

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	K1506481
Project:	2075868	**Date Extracted:**	06/18/2015
Sample Matrix:	Sediment	**Date Analyzed:**	06/24/2015

Matrix Spike/Duplicate Matrix Spike Summary
Butyltins (as cation)

Sample Name:	Batch QC	**Units:**	ug/Kg
Lab Code:	K1506354-001	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone	**Extraction Lot:**	KWG1505433

		Batch QCMS KWG1505433-2 Matrix Spike			Batch QCDMS KWG1505433-3 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tri-n-butyltin Cation	ND	20.8	30.9	67	21.7	30.9	70	10-115	4	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	K1506481
Project:	2075868	**Date Extracted:**	06/18/2015
Sample Matrix:	Sediment	**Date Analyzed:**	06/24/2015

Duplicate Sample Summary
Butyltins (as cation)

Sample Name:	Batch QC	**Units:**	ug/Kg
Lab Code:	K1506354-001	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone	**Extraction Lot:**	KWG1505433

			Batch QCDUP KWG1505433-1 Duplicate Sample			
Analyte Name	**MRL**	**Sample Result**	**Result**	**Average**	**Relative Percent Difference**	**RPD Limit**
Tri-n-butyltin Cation	1.4	ND	ND	ND	-	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	K1506481
Project:	2075868	**Date Extracted:**	06/18/2015
Sample Matrix:	Sediment	**Date Analyzed:**	06/24/2015

Lab Control Spike Summary
Butyltins (as cation)

Extraction Method:	METHOD	**Units:**	ug/Kg
Analysis Method:	Krone	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1505433

	Lab Control Sample KWG1505433-4 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Tri-n-butyltin Cation	16.8	22.2	76	10-122

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

BROOKS RAND LABS
MEANINGFUL METALS DATA®

June 30, 2015

ALS - Middletown
ATTN: Vicki Forney
34 Dogwood Lane
Middletown PA 17057
vicki.forney@alsglobal.com

RE: Project ALS-MD1501 Client Project: 2075868

Dear Vicki Forney,

This report contains results for the 3 samples received by Brooks Rand Labs (BRL) on June 16, 2015. The samples were logged-in for the contracted analyses according to the chain-of-custody form(s). The samples were received, prepared, analyzed, and stored according to BRL SOPs and EPA methodology.

The matrix spike/matrix spike duplicate (MS/MSD) set was spiked at a concentration much less than the native sample and were not analyzed. A post-preparation spike (PS) was analyzed and recovered within acceptance criteria.

The results were method blank corrected as described in the calculations section of the relevant BRL SOP(s) and may have been evaluated using reporting limits that have been adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details. All additional data is reported without qualification and all other associated quality control sample results meet the acceptance criteria.

BRL, an accredited laboratory, certifies that the reported results of all analyses for which BRL is NELAP accredited meet all NELAP requirements. For more details, please see the *Report Information* page in your report. Please feel free to contact me if you have any questions regarding this report.

Sincerely,

Lydia Greaves

Lydia Greaves
Project Manager
Lydia@brooksrand.com

3958 6th Avenue NW Seattle WA 98107 · P(206) 632-6206 · F(206) 632-6017 · brl@brooksrand.com · www.brooksrand.com

BROOKS RAND LABS
MEANINGFUL METALS DATA

Report Information

Laboratory Accreditation

BRL is accredited by the *National Environmental Laboratory Accreditation Program* (NELAP) through the State of Florida Department of Health, Bureau of Laboratories (E87982) and is certified to perform many environmental analyses. BRL is also certified by many other states to perform environmental analyses. For a current list of our accreditations/certifications, please visit our website at <http://www.brooksrand.com/about/accreditations-certifications/>. Results reported relate only to the samples listed in the report.

Field Quality Control Samples

Please be notified that certain EPA methods require the collection of field quality control samples of an appropriate type and frequency; failure to do so is considered a deviation from some methods and for compliance purposes should only be done with the approval of regulatory authorities. Please see the specific EPA methods for details regarding required field quality control samples.

Common Abbreviations

BLK	method blank	**MS**	matrix spike
BRL	Brooks Rand Labs	**MSD**	matrix spike duplicate
BS	laboratory fortified blank	**ND**	non-detect
CAL	calibration standard	**NR**	non-reportable
CCB	continuing calibration blank	**N/C**	not calculated
CCV	continuing calibration verification	**PS**	post preparation spike
COC	chain of custody record	**REC**	percent recovery
D	dissolved fraction	**RPD**	relative percent difference
DUP	duplicate	**RSD**	relative standard deviation
IBL	instrument blank	**SCV**	secondary calibration verification
ICV	initial calibration verification	**SOP**	standard operating procedure
MDL	method detection limit	**SRM**	standard reference material
MRL	method reporting limit	**T**	total recoverable fraction

Definition of Data Qualifiers

(Effective 9/23/09)

- **B** Detected by the instrument, the result is > the MDL but ≤ the MRL. Result is reported and considered an estimate.
- **E** An estimated value due to the presence of interferences. A full explanation is presented in the narrative.
- **H** Holding time and/or preservation requirements not met. Result is estimated.
- **J** Estimated value. A full explanation is presented in the narrative.
- **J-M** Duplicate precision (RPD) for associated QC sample was not within acceptance criteria. Result is estimated.
- **J-N** Spike recovery for associated QC sample was not within acceptance criteria. Result is estimated.
- **M** Duplicate precision (RPD) was not within acceptance criteria. Result is estimated.
- **N** Spike recovery was not within acceptance criteria. Result is estimated.
- **R** Rejected, unusable value. A full explanation is presented in the narrative.
- **U** Result is ≤ the MDL or client requested reporting limit (CRRL). Result reported as the MDL or CRRL.
- **X** Result is not BLK-corrected and is within 10x the absolute value of the highest detectable BLK in the batch. Result is estimated.

These qualifiers are based on those previously utilized by Brooks Rand Labs, those found in the EPA SOW ILM03.0, Exhibit B, Section III, pg. B-18, and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review; USEPA; January 2010. These supersede all previous qualifiers ever employed by BRL.

Project ID: ALS-MD1501
PM: Lydia Greaves

Client PM: Vicki Forney

BROOKS RAND LABS
MEANINGFUL METALS DATA

Sample Information

Sample	Lab ID	Report Matrix	Type	Sampled	Received
2075868 002	1525013-01	Soil	Sample	06/08/2015	06/16/2015
2075868 004	1525013-02	Soil	Sample	06/08/2015	06/16/2015
2075868 006	1525013-03	Soil	Sample	06/08/2015	06/16/2015

Batch Summary

Analyte	Lab Matrix	Method	Prepared	Analyzed	Batch	Sequence
%TS	Soil/Sediment	SM 2540G	06/24/2015	06/28/2015	B150975	N/A
As(III)	Soil/Sediment	EPA 1632	06/24/2015	06/24/2015	B150974	1500505

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
2075868 002										
1525013-01	%TS	Soil	NA	59.61		0.36	1.20	%	B150975	N/A
1525013-01	As(III)	Soil	dry	5.36		0.240	0.720	mg/kg	B150974	1500505
2075868 004										
1525013-02	%TS	Soil	NA	59.61		0.36	1.20	%	B150975	N/A
1525013-02	As(III)	Soil	dry	23.1		2.32	6.95	mg/kg	B150974	1500505
2075868 006										
1525013-03	%TS	Soil	NA	58.80		0.36	1.20	%	B150975	N/A
1525013-03	As(III)	Soil	dry	21.2		2.44	7.31	mg/kg	B150974	1500505

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Project ID: ALS-MD1501
PM: Lydia Greaves

Client PM: Vicki Forney

Accuracy & Precision Summary

Batch: B150974
Lab Matrix: Soil/Sediment
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B150974-BS1	**Laboratory Fortified Blank (1523014)**						
	As(III)		1.204	1.171	mg/kg	97% 50-150	
B150974-BS2	**Laboratory Fortified Blank (1523029)**						
	As(III)		1.204	1.128	mg/kg	94% 50-150	
B150974-SRM1	**Certified Reference Material (1505010, PACS-3)**						
	As(III)		4.752	5.887	mg/kg	124% 50-150	
B150974-DUP1	**Duplicate (1525011-01)**						
	As(III)	14.95		13.00	mg/kg		14% 35
B150974-PS1	**Post Spike (1525011-01)**						
	As(III)	14.95	24.62	39.43	mg/kg	99% 65-135	

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Project ID: ALS-MD1501
PM: Lydia Greaves

Client PM: Vicki Forney

Accuracy & Precision Summary

Batch: B150975
Lab Matrix: Soil/Sediment
Method: SM 2540G

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B150975-DUP1	**Duplicate (1525011-01)**						
	%TS	65.61		65.78	%		0.3% 15

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Project ID: ALS-MD1501
PM: Lydia Greaves

Client PM: Vicki Forney

BROOKS RAND LABS
MEANINGFUL METALS DATA

Method Blanks & Reporting Limits

Batch: B150974
Matrix: Soil/Sediment
Method: EPA 1632
Analyte: As(III)

Sample	Result	Units
B150974-BLK1	0.051	mg/kg wet
B150974-BLK2	0.046	mg/kg wet
B150974-BLK3	0.047	mg/kg wet
B150974-BLK4	0.049	mg/kg wet

Average: 0.048 **Standard Deviation:** 0.002 **MDL:** 0.040
Limit: 0.080 **Limit:** 0.027 **MRL:** 0.120

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Method Blanks & Reporting Limits

Batch: B150975
Matrix: Soil/Sediment
Method: SM 2540G
Analyte: %TS

Sample	Result	Units
B150975-BLK1	0.00	%
B150975-BLK2	0.00	%
	Average: 0.00	
	Limit: 1.20	

MDL: 0.36
MRL: 1.20

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Project ID: ALS-MD1501
PM: Lydia Greaves

Client PM: Vicki Forney

Sample Containers

Lab ID: 1525013-01
Sample: 2075868 002
Report Matrix: Soil
Sample Type: Sample
Collected: 06/08/2015
Received: 06/16/2015

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	8 oz	not provided	none	none		cooler

Lab ID: 1525013-02
Sample: 2075868 004
Report Matrix: Soil
Sample Type: Sample
Collected: 06/08/2015
Received: 06/16/2015

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	8 oz	not provided	none	none		cooler

Lab ID: 1525013-03
Sample: 2075868 006
Report Matrix: Soil
Sample Type: Sample
Collected: 06/08/2015
Received: 06/16/2015

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	8 oz	not provided	none	none		cooler

Shipping Containers

cooler
Received: June 16, 2015 9:05
Tracking No: 773836255661 via FedEx
Coolant Type: Ice
Temperature: 0.1 °C

Description: cooler
Damaged in transit? No
Returned to client? No

Custody seals present? No
Custody seals intact? No
COC present? Yes

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Analytical Laboratory Services, Inc.
Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: BRL Report 1525013 — 1 of 1
ALSI Quote #:

Client Name: ALS Environmental
Address: 34 Dogwood Lane
Middletown, PA 17057
Contact: Vicki Forney
Phone#: (717) 944-5541
Project Name/#:
Bill To: ALS Environmental

TAT: [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? [x] -Y almdt.subcontract@ALSGlobal.com
Fax? [ ] -Y No.

Container Type	C
Container Size	4 oz
Preservative	None

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Sample or Field Results Below.

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Trivalent Arsenic
2075868 002	6/8/15	1110	G	SO	1
2075868 004	6/8/15	1400	G	SO	1
2075868 006	6/8/15	1410	G	SO	1

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Therm. ID: _____
No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(If present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #: _____

Sample/COC Comments
Subcontract: Brooks Rand Labs
3958 6th Avenue NW
Seattle, WA 98107

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

LOGGED BY(signature): DATE TIME
REVIEWED BY(signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	6/15/15	1540	2 [signature] / BRL	6/16/15	0905
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] USACE [ ]
Special Processing: USACE [ ] Navy [ ] [ ]
State Samples Collected In: [ ] NY [ ] NJ [ ] PA [ ] NC [ ] other
Reportable to PADEP? Yes [ ] PWSID #
Sample Disposal: Lab [ ] Special [ ]
EDDs: Format Type:

* G=Grab; C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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Thursday, July 09, 2015 11:19:37 AM
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00021977 ALS

DEPARTMENT OF ENVIRONMENTAL QUALITY
Dredge Spoils Monitoring
ATTACHMENT B, Page 1 of 4

FACILITY NAME: Virginia Power – Possum Point VPDES PERMIT NO. : VA0002071

DATE: PROJECT:

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (mg/l)	Reporting Results [1] (mg/l)	Sample Type[2]	Threshold Levels (mg/l)
Toxicity Characteristic Leaching Procedure Parameters with Threshold Levels (Part A)							
033	7440-38-2	Arsenic	1311			G	5.0
151	7440-39-3	Barium	1311			G	100.0
216	71-43-2	Benzene	1311			G	3.0
096	7440-43-9	Cadmium.	1311			G	1.0
236	56-23-5	Carbon Tetrachloride	1311			G	0.5
333	57-74-9	Chlordane	1311			G	0.03
280	108-90-7	Chlorobenzene	1311			G	100.0
223	67-66-3	Chloroform	1311			G	6.0
016	7440-47-3	Chromium	1311			G	5.0
510	95-48-7	o-Cresol *	1311			G	200.0
509	108-39-4	m-Cresol *	1311			G	200.0
511	106-44-5	p-Cresol *	1311			G	200.0
512		Cresols, Total	1311			G	200.0
266	106-46-7	1,4-Dichlorobenzene	1311			G	7.5
260	107-06-2	1,2-Dichloroethane	1311			G	0.5
258	75-35-4	1,1-Dichloroethylene	1311			G	0.7
239	121-14-2	2,4-Dinitrotoluene	1311			G	0.13
339	72-20-8	Endrin	1311			G	0.02
341	76-44-8	Heptachlor	1311			G	0.008
289	118-74-1	Hexachlorobenzene	1311			G	0.13
290	87-68-3	Hexachlorobutadiene	1311			G	0.5
291	67-72-1	Hexachloroethane	1311			G	5.0
034	7439-92-1	Lead	1311			G	5.0
342	58-89-9	Hexachlorocyclohexane (Lindane)	1311			G	0.4
042	7439-97-6	Mercury	1311			G	0.2
344	72-43-5	Methoxychlor	1311			G	10.0
	78-93-3	Methyl Ethyl Ketone	1311			G	200.0
294	98-95-3	Nitrobenzene	1311			G	2.0
210	87-86-5	Pentachlorophenol	1311			G	100.0
	110-86-1	Pyridine	1311			G	5.0
152	7782-49-2	Selenium	1311			G	1.0
037	7440-22-4	Silver	1311			G	5.0
220	127-18-4	Tetrachloroethylene	1311			G	0.7
349	8001-35-2	Toxaphene	1311			G	0.5
602	79-01-6	Trichloroethylene	1311			G	0.5
601	95-95-4	2,4,5-Trichlorophenol	1311			G	400
602	88-06-2	2,4,6-Trichlorophenol	1311			G	2.0
173	75-01-4	Vinyl Chloride	1311			G	0.2

* If o-, m- and p-Cresol concentrations cannot be differentiated, the total cresol concentration is used.

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Dredge Spoils Monitoring
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FACILITY NAME: Virginia Power – Possum Point VPDES PERMIT NO. : VA0002071

DATE: PROJECT:

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (mg/kg)	Reporting Results[1] (mg/kg)	Sample Type[2]
		Metals (Part B.1.)				
178	7429-90-5	Antimony	(3)	(4)		G
457		Arsenic III	(3)	(4)		G
441	16055-83-1	Chromium III	(3)	(4)		G
231	18540-29-9	Chromium VI	(3)	(4)		G
442	744-50-8	Copper	(3)	(4)		G
445	7440-02-0	Nickel	(3)	(4)		G
	7440-28-0	Thallium	(3)	(4)		G
448	7440-66-6	Zinc	(3)	(4)		G
		Pesticides/PCB'S (Part B.2.)				
332	309-00-2	Aldrin	(3)	(4)		G
334		Chlorpyrifos Dursban	(3)	(4)		G
--	72-54-8	DDD	(3)	(4)		G
--	72-55-9	DDE	(3)	(4)		G
335	50-29-3	DDT	(3)	(4)		G
336	8065-48-3	Demeton	(3)	(4)		G
337	60-57-1	Dieldrin	(3)	(4)		G
746	959-98-8	Alpha-Endosulfan	(3)	(4)		G
640	33213-65-9	Alpha-Endosulfan	(3)	(4)		G
617	1031-07-8	Endosulfan Sulfate	(3)	(4)		G
--	7421-93-4	Endrin Aldehyde	(3)	(4)		G
340	86-50-0	Guthion	(3)	(4)		G
--	1024-57-3	Heptachlor Epoxide	(3)	(4)		G
--	319-84-6	Hexachlorocyclohexane (Alpha-BHC)	(3)	(4)		G
--	319-85-7	Hexachlorocyclohexane (Beta-BHC)	(3)	(4)		G
--	143-50-0	Kepone	(3)	(4)		G
343	121-75-5	Malathion	(3)	(4)		G
345	2385-85-5	Mirex	(3)	(4)		G
346	56-38-2	Parathion	(3)	(4)		G
--	1336-36-3	Total PCB	(3)	(4)		G
641	53469-21-9	PCB-1242	(3)	(4)		G
642	11097-69-1	PCB-1254	(3)	(4)		G
643	11104-28-2	PCB-1221	(3)	(4)		G
644	11141-16-5	PCB-1232	(3)	(4)		G
645	12672-29-6	PCB-1248	(3)	(4)		G
618	11096-82-5	PCB-1260	(3)	(4)		G
646	12674-11-2	PCB-1016	(3)	(4)		G
		Base Neutral Extractable (Part B.3.)				
273	208-96-8	Acenaphthene	(3)	(4)		G
275	120-12-7	Anthracene	(3)	(4)		G
--	92-87-5	Benzidine	(3)	(4)		G
276	56-55-3	Benzo(a) anthracene	(3)	(4)		G

FACILITY NAME: Virginia Power – Possum Point VPDES PERMIT NO. : VA0002071

DATE: PROJECT:

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (mg/kg)	Reporting Results[1] (mg/kg)	Sample Type[2]
648	50-32-8	Benzo(b) fluoranthene (3,4-Bensofluoranthene)	(3)	(4)		G
278	207-08-9	Benzo(k) fluoranthene	(3)	(4)		G
277	50-32-8	Benzo(a)pyrene	(3)	(4)		G
--	111-44-4	Bis 2-Chloroethyl Ether	(3)	(4)		G
279	102-60-1	Bis 2-Chloroiso-Propyl Ether	(3)	(4)		G
486	85-68-7	Butyl benzyl phthalate	(3)	(4)		G
--	91-58-7	2-Chloronaphthalene	(3)	(4)		G
282	218-01-9	Chrysene	(3)	(4)		G
654	53-70-3	Dibenz(a,h) anthracene	(3)	(4)		G
206	84-74-2	Dibutyl phthalate	(3)	(4)		G
259	95-50-1	1,2-Dichlorobenzene	(3)	(4)		G
264	541-73-1	1,3-Dichlorobenzene	(3)	(4)		G
527	91-94-1	3,3-Dichlorobenzidine	(3)	(4)		G
285	84-66-2	Diethyl phthalate	(3)	(4)		G
170	117-81-7	Di-2-Ethylhexyl Phthalate (Bis (2-Ethylhexyl) Phthalate)	(3)	(4)		G
286	131-11-3	Dimethyl Phthalate	(3)	(4)		G
535	122-66-7	1,2-Dihenylhydrazine	(3)	(4)		G
287	206-44-0	Fluoranthene	(3)	(4)		G
288	86-73-7	Fluorene	(3)	(4)		G
538	77-47-4	Hexachlorocyclopentadiene	(3)	(4)		G
651	193-39-5	Indeno(1,2,3-cd) pyrene	(3)	(4)		G
650	78-59-1	Isophorone	(3)	(4)		G
293	91-20-3	Naphthalene	(3)	(4)		G
573	62-75-9	N-Nitrosodimethylamine	(3)	(4)		G
574	86-30-6	N-Nitrosodiphenylamine	(3)	(4)		G
575	621-64-7	N-Nitrosodi-n-proplyamine	(3)	(4)		G
296	129-00-0	Pyrene	(3)	(4)		G
263	129-82-1	1,2,4 Trichlorobenzene	(3)	(4)		G
		Volatiles (Part B.4.)				
171	107-02-8	Acrolein	(3)	(4)		G
204	107-13-1	Acrylonitrile (Vinyl cyanide)	(3)	(4)		G
484	75-25-2	Bromoform	(3)	(4)		G
652	124-48-1	Chlorodibromomethane	(3)	(4)		G
649	75-09-2	Dichloromethane (Methylene chloride)	(3)	(4)		G
244	75-27-4	Dichlorobromomethane	(3)	(4)		G
262	156-60-5	Trans 1,2-Dichloroethylene	(3)	(4)		G
261	78-87-5	1,2-Dichloropropane	(3)	(4)		G
265	542-75-6	1,3-Dichloropropene (1,3-Dichlorpropylene)	(3)	(4)		G
172	100-41-4	Ethylbenzene	(3)	(4)		G
--	74-83-9	Methyl Bromide	(3)	(4)		G
--	78-93-3	2-Butanone (Methyl Ethyl Ketone (MEK))	(3)	(4)		G
596	79-34-5	1,1,2,2-Tetrachloroethane	(3)	(4)		G

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Dredge Spoils Monitoring
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FACILITY NAME: Virginia Power – Possum Point VPDES PERMIT NO. : VA0002071

DATE: PROJECT:

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (mg/kg)	Reporting Results[1] (mg/kg)	Sample Type[2]
222	108-88-3	Toluene	[3]	[4]		G
373	79-00-5	1,1,2-Trichloroethane	[3]	[4]		G
155	79-01-6	Trichloroethylene	[3]	[4]		G
		Acids Extratables (Part B.5.)				
267	95-57-8	2-Chlorophenol	[3]	[4]		G
268	120-83-2	2,4 Dichlorophenol	[3]	[4]		G
269	105-67-9	2,4 Dimethylphenol	[3]	[4]		G
–	534-52-1	2-Methyl-2,4-Dinitrophenol (4,6-Dinitro-O-Cresol)	[3]	[4]		G
270	51-28-5	2,4-Dinitrophenol	[3]	[4]		G
175	108-95-2	Phenol	[3]	[4]		G
		Miscellaneous (Part B.6.)				
018		Cyanide, Total	[3]	[4]		G
350		Tributyltin	[3]	[4]		G
257		TPH (Total Petroleum Hydrocarbons)	[3]	[4]		G

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

Name of Principal Executive Officer or Authorized Agent — Title

Signature of Principal Executive Officer or Authorized Agent — Date

Footnotes to Water Quality Monitoring Attachment B

(1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.
Units for the quantification level and the specific target value are micrograms/liter (mg/l) or micrograms/kilograms (mg/kg) unless otherwise specified. Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained. Data reported by the lab as less than the test method QL shall be reported as "<[QL]" on the Attachment B form, where the actual test method QL shall be substituted for "[QL]".

(2) Sample Type:
G = Grab - An individual sample collected in less than fifteen (15) minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and report the average results provided that the individual grab results are also reported.

(3) Any approved method presented in 40 CFR Part 136.

(4) The QL is at the discretion of the permittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.

DEPARTMENT OF ENVIRONMENTAL QUALITY
Dredge Spoils Monitoring
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FACILITY NAME: Virginia Power – Possum Point VPDES PERMIT NO. : VA0002071

DATE: PROJECT:

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (mg/l)	Reporting Results[1] (mg/l)	Sample Type[2]	Threshold Levels (mg/l)
Toxicity Characteristic Leaching Procedure Parameters with Threshold Levels (Part A)							
033	7440-38-2	Arsenic	1311			G	5.0
151	7440-39-3	Barium	1311			G	100.0
216	71-43-2	Benzene	1311			G	3.0
096	7440-43-9	Cadmium	1311			G	1.0
236	56-23-5	Carbon Tetrachloride	1311			G	0.5
333	57-74-9	Chlordane	1311			G	0.03
280	108-90-7	Chlorobenzene	1311			G	100.0
223	67-66-3	Chloroform	1311			G	6.0
016	7440-47-3	Chromium	1311			G	5.0
510	95-48-7	o-Cresol *	1311			G	200.0
509	108-39-4	m-Cresol *	1311			G	200.0
511	106-44-5	p-Cresol *	1311			G	200.0
512		Cresols, Total	1311			G	200.0
266	106-46-7	1,4-Dichlorobenzene	1311			G	7.5
260	107-06-2	1,2-Dichloroethane	1311			G	0.5
258	75-35-4	1,1-Dichloroethylene	1311			G	0.7
239	121-14-2	2,4-Dinitrotoluene	1311			G	0.13
339	72-20-8	Endrin	1311			G	0.02
341	76-44-8	Heptachlor	1311			G	0.008
289	118-74-1	Hexachlorobenzene	1311			G	0.13
290	87-68-3	Hexachlorobutadiene	1311			G	0.5
291	67-72-1	Hexachloroethane	1311			G	5.0
034	7439-92-1	Lead	1311			G	5.0
342	58-89-9	Hexachlorocyclohexane (Lindane)	1311			G	0.4
042	7439-97-6	Mercury	1311			G	0.2
344	72-43-5	Methoxychlor	1311			G	10.0
	78-93-3	Methyl Ethyl Ketone	1311			G	200.0
294	98-95-3	Nitrobenzene	1311			G	2.0
210	87-86-5	Pentachlorophenol	1311			G	100.0
	110-86-1	Pyridine	1311			G	5.0
152	7782-49-2	Selenium	1311			G	1.0
037	7440-22-4	Silver	1311			G	5.0
220	127-18-4	Tetrachloroethylene	1311			G	0.7
349	8001-35-2	Toxaphene	1311			G	0.5
602	79-01-6	Trichloroethylene	1311			G	0.5
601	95-95-4	2,4,5-Trichlorophenol	1311			G	400
602	88-06-2	2,4,6-Trichlorophenol	1311			G	2.0
173	75-01-4	Vinyl Chloride	1311			G	0.2

* If o-, m- and p-Cresol concentrations cannot be differentiated, the total cresol concentration is used.

DEPARTMENT OF ENVIRONMENTAL QUALITY
Dredge Spoils Monitoring
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FACILITY NAME: Virginia Power – Possum Point VPDES PERMIT NO. : VA0002071

DATE: PROJECT:

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level[2] (mg/kg)	Reporting Results[1] (mg/kg)	Sample Type[3]
		Metals (Part B.1.)				
178	7429-90-5	Antimony	(3)	(4)		G
457		Arsenic III	(3)	(4)		G
441	16055-83-1	Chromium III	(3)	(4)		G
231	18540-29-9	Chromium VI	(3)	(4)		G
442	744-50-8	Copper	(3)	(4)		G
445	7440-02-0	Nickel	(3)	(4)		G
	7440-28-0	Thallium	(3)	(4)		G
448	7440-66-6	Zinc	(3)	(4)		G
		Pesticides/PCB'S (Part B.2.)				
332	309-00-2	Aldrin	(3)	(4)		G
334		Chlorpyrifos Dursban	(3)	(4)		G
--	72-54-8	DDD	(3)	(4)		G
--	72-55-9	DDE	(3)	(4)		G
335	50-29-3	DDT	(3)	(4)		G
336	8065-48-3	Demeton	(3)	(4)		G
337	60-57-1	Dieldrin	(3)	(4)		G
746	959-98-8	Alpha-Endosulfan	(3)	(4)		G
640	33213-65-9	Alpha-Endosulfan	(3)	(4)		G
617	1031-07-8	Endosulfan Sulfate	(3)	(4)		G
--	7421-93-4	Endrin Aldehyde	(3)	(4)		G
340	86-50-0	Guthion	(3)	(4)		G
--	1024-57-3	Heptachlor Epoxide	(3)	(4)		G
--	319-84-6	Hexachlorocyclohexane (Alpha-BHC)	(3)	(4)		G
--	319-85-7	Hexachlorocyclohexane (Beta-BHC)	(3)	(4)		G
--	143-50-0	Kepone	(3)	(4)		G
343	121-75-5	Malathion	(3)	(4)		G
345	2385-85-5	Mirex	(3)	(4)		G
346	56-38-2	Parathion	(3)	(4)		G
--	1336-36-3	Total PCB	(3)	(4)		G
641	53469-21-9	PCB-1242	(3)	(4)		G
642	11097-69-1	PCB-1254	(3)	(4)		G
643	11104-28-2	PCB-1221	(3)	(4)		G
644	11141-16-5	PCB-1232	(3)	(4)		G
645	12672-29-6	PCB-1248	(3)	(4)		G
618	11096-82-5	PCB-1260	(3)	(4)		G
646	12674-11-2	PCB-1016	(3)	(4)		G
		Base Neutral Extractable (Part B.3.)				
273	208-96-8	Acenaphthene	(3)	(4)		G
275	120-12-7	Anthracene	(3)	(4)		G
--	92-87-5	Benzidine	(3)	(4)		G
276	56-55-3	Benzo(a) anthracene	(3)	(4)		G

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Dredge Spoils Monitoring
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FACILITY NAME: Virginia Power – Possum Point VPDES PERMIT NO. : VA0002071

DATE: PROJECT:

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (mg/kg)	Reporting Results[1] (mg/kg)	Sample Type[1]
648	50-32-8	Benzo(b) fluoranthene (3,4-Bensofluoranthene)	(3)	(4)		G
278	207-08-9	Benzo(k) fluoranthene	(3)	(4)		G
277	50-32-8	Benzo(a)pyrene	(3)	(4)		G
–	111-44-4	Bis 2-Chloroethyl Ether	(3)	(4)		G
279	102-60-1	Bis 2-Chloroiso-Propyl Ether	(3)	(4)		G
486	85-68-7	Butyl benzyl phthalate	(3)	(4)		G
–	91-58-7	2-Chloronaphthalene	(3)	(4)		G
282	218-01-9	Chrysene	(3)	(4)		G
654	53-70-3	Dibenz(a,h) anthracene	(3)	(4)		G
206	84-74-2	Dibutyl phthalate	(3)	(4)		G
259	95-50-1	1,2-Dichlorobenzene	(3)	(4)		G
264	541-73-1	1,3-Dichlorobenzene	(3)	(4)		G
527	91-94-1	3,3-Dichlorobenzidine	(3)	(4)		G
285	84-66-2	Diethyl phthalate	(3)	(4)		G
170	117-81-7	Di-2-Ethylhexyl Phthalate (Bis (2-Ethylhexyl) Phthalate)	(3)	(4)		G
286	131-11-3	Dimethyl Phthalate	(3)	(4)		G
535	122-66-7	1,2-Dihenylhydrazine	(3)	(4)		G
287	206-44-0	Fluoranthene	(3)	(4)		G
288	86-73-7	Fluorene	(3)	(4)		G
538	77-47-4	Hexachlorocyclopentadiene	(3)	(4)		G
651	193-39-5	Indeno(1,2,3-cd) pyrene	(3)	(4)		G
650	78-59-1	Isophorone	(3)	(4)		G
293	91-20-3	Naphthalene	(3)	(4)		G
573	62-75-9	N-Nitrosodimethylamine	(3)	(4)		G
574	86-30-6	N-Nitrosodiphenylamine	(3)	(4)		G
575	621-64-7	N-Nitrosodi-n-proplyamine	(3)	(4)		G
296	129-00-0	Pyrene	(3)	(4)		G
263	129-82-1	1,2,4 Trichlorobenzene	(3)	(4)		G
		Volatiles (Part B.4.)				
171	107-02-8	Acrolein	(3)	(4)		G
204	107-13-1	Acrylonitrile (Vinyl cyanide)	(3)	(4)		G
484	75-25-2	Bromoform	(3)	(4)		G
652	124-48-1	Chlorodibromomethane	(3)	(4)		G
649	75-09-2	Dichloromethane (Methylene chloride)	(3)	(4)		G
244	75-27-4	Dichlorobromomethane	(3)	(4)		G
262	156-60-5	Trans 1,2-Dichloroethylene	(3)	(4)		G
261	78-87-5	1,2-Dichloropropane	(3)	(4)		G
265	542-75-6	1,3-Dichloropropene (1,3-Dichlorpropylene)	(3)	(4)		G
172	100-41-4	Ethylbenzene	(3)	(4)		G
--	74-83-9	Methyl Bromide	(3)	(4)		G
--	78-93-3	2-Butenone (Methyl Ethyl Ketone (MEK))	(3)	(4)		G
596	79-34-5	1,1,2,2-Tetrachloroethane	(3)	(4)		G

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FACILITY NAMB: Virginia Power – Possum Point VPDES PERMIT NO. : VA0002071

DATB: PROJECT:

DEQ Parameter No.	EPA CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (mg/kg)	Reporting Results[1] (mg/kg)	Sample Type[2]
222	108-88-3	Toluene	[3]	[4]		G
373	79-00-5	1,1,2-Trichloroethane	[3]	[4]		G
155	79-01-6	Trichloroethylene	[3]	[4]		G
		Acids Extratables (Part B.5.)				
267	95-57-8	2-Chlorophenol	[3]	[4]		G
268	120-83-2	2,4 Dichlorophenol	[3]	[4]		G
269	105-67-9	2,4 Dimethylphenol	[3]	[4]		G
-	534-52-1	2-Methyl-2,4-Dinitrophenol (4,6-Dinitro-O-Cresol)	[3]	[4]		G
270	51-28-5	2,4-Dinitrophenol	[3]	[4]		G
175	108-95-2	Phenol	[3]	[4]		G
		Miscellaneous (Part B.6.)				
018		Cyanide, Total	[3]	[4]		G
350		Tributyltin	[3]	[4]		G
257		TPH (Total Petroleum Hydrocarbons)	[3]	[4]		G

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

Name of Principal Executive Officer or Authorized Agent

Title

Signature of Principal Executive Officer or Authorized Agent

Date

Footnotes to Water Quality Monitoring Attachment B

(1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.
Units for the quantification level and the specific target value are micrograms/liter (mg/l) or micrograms/kilograms (mg/kg) unless otherwise specified. Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained. Data reported by the lab as less than the test method QL shall be reported as "<[QL]" on the Attachment B form, where the actual test method QL shall be substituted for "[QL]".

(2) Sample Type:
G = Grab - An individual sample collected in less than fifteen (15) minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and report the average results provided that the individual grab results are also reported.

(3) Any approved method presented in 40 CFR Part 136.

(4) The QL is at the discretion of the permittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.

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July 9, 2015

Mr. Ed Sciulli
GAI Consultants
385 E. Waterfront Dr.
Homestead, PA 15120

Certificate of Analysis

Revised Report - 7/9/2015 11:20:00 AM - See workorder comment section for explanation

Project Name:	**2015-VIRGINIA POWER-POSSUM**	Workorder:	**2076025**
Purchase Order:		Workorder ID:	**Dominion Possum Point**

Dear Mr. Sciulli:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, June 10, 2015.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Shannon Butler (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Ms. Katie Tuite

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Shannon Butler

Ms. Shannon Butler
Project Coordinator

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SAMPLE SUMMARY

Workorder: 2076025 Dominion Possum Point

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2076025001	ABC 2 Grab	Solid	6/9/2015 11:00	6/10/2015 19:50	Collected by Client
2076025002	ABC 2 Comp	Solid	6/9/2015 11:15	6/10/2015 19:50	Collected by Client
2076025003	ABC 3 Grab	Solid	6/9/2015 09:00	6/10/2015 19:50	Collected by Client
2076025004	ABC 3 Comp	Solid	6/9/2015 09:15	6/10/2015 19:50	Collected by Client
2076025005	ABC 4 Grab	Solid	6/9/2015 12:45	6/10/2015 19:50	Collected by Client
2076025006	ABC 4 Comp	Solid	6/9/2015 13:00	6/10/2015 19:50	Collected by Client
2076025007	Low Volume C Grab	Solid	6/10/2015 10:00	6/10/2015 19:50	Collected by Client
2076025008	Low Volume C Comp	Solid	6/10/2015 10:05	6/10/2015 19:50	Collected by Client
2076025009	Low Volume D Grab	Solid	6/10/2015 10:10	6/10/2015 19:50	Collected by Client
2076025010	Low Volume D Comp	Solid	6/10/2015 10:15	6/10/2015 19:50	Collected by Client

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SAMPLE SUMMARY

Workorder: 2076025 Dominion Possum Point

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)

PROJECT SUMMARY

Workorder: 2076025 Dominion Possum Point

Workorder Comments

See attached subcontracted tributylin results from ALS-Kelso. VLF 7/7/15

See attached subcontracted trivalent arsenic results from Brooks Rand. VLF 7/7/15

This report was modified on 7/7/15 to attach subcontracting and add PCB. VLF

Sample Comments

Lab ID: 2076025002 **Sample ID:** ABC 2 Comp **Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Lab ID: 2076025004 **Sample ID:** ABC 3 Comp **Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Lab ID: 2076025005 **Sample ID:** ABC 4 Grab **Sample Type:** SAMPLE

One or more of the method 8260 internal standards were recovered outside of the control limits. The sample was re-analyzed with similar results, indicating a significant matrix interference.

Lab ID: 2076025006 **Sample ID:** ABC 4 Comp **Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Lab ID: 2076025008 **Sample ID:** Low Volume C Comp **Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Lab ID: 2076025010 **Sample ID:** Low Volume D Comp **Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025001** Date Collected: 6/9/2015 11:00 Matrix: Solid
Sample ID: **ABC 2 Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS										
Benzene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:25	JPA	D
2-Butanone	ND		ug/L	200	SW846 8260B			6/18/15 08:25	JPA	D
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B			6/18/15 08:25	JPA	D
Chlorobenzene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:25	JPA	D
Chloroform	ND		ug/L	20.0	SW846 8260B			6/18/15 08:25	JPA	D
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B			6/18/15 08:25	JPA	D
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:25	JPA	D
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:25	JPA	D
Trichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:25	JPA	D
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B			6/18/15 08:25	JPA	D
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	98.6		%	62 - 133	SW846 8260B			6/18/15 08:25	JPA	D
4-Bromofluorobenzene (S)	86.9		%	79 - 114	SW846 8260B			6/18/15 08:25	JPA	D
Dibromofluoromethane (S)	98.5		%	78 - 116	SW846 8260B			6/18/15 08:25	JPA	D
Toluene-d8 (S)	97.7		%	76 - 127	SW846 8260B			6/18/15 08:25	JPA	D
VOLATILE ORGANICS										
Acrolein	ND		ug/kg	47.5	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Acrylonitrile	ND		ug/kg	9.5	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Bromodichloromethane	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Bromoform	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Bromomethane	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
2-Butanone	ND		ug/kg	9.5	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Chlorodibromomethane	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
1,2-Dichloropropane	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
1,3-Dichloropropene, Total	ND		ug/kg	3.8	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Ethylbenzene	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Methylene Chloride	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Toluene	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Trichloroethene	ND		ug/kg	1.9	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	101		%	56 - 124	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
4-Bromofluorobenzene (S)	116		%	51 - 128	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
Dibromofluoromethane (S)	114		%	62 - 123	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025001** Date Collected: 6/9/2015 11:00 Matrix: Solid
Sample ID: **ABC 2 Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	108		%	59 - 131	SW846 8260B	6/9/15	JPA	6/11/15 13:06	JPA	A
WET CHEMISTRY										
Moisture	41.9		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Total Solids	58.1		%	0.1	S2540G-11			6/11/15 09:19	JP	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025002** Date Collected: 6/9/2015 11:15 Matrix: Solid
Sample ID: **ABC 2 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Anthracene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Benzidine	ND		ug/kg	1310	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Benzo(a)anthracene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Benzo(a)pyrene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Benzo(b)fluoranthene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Benzo(k)fluoranthene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Butylbenzylphthalate	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
bis(2-Chloroethyl)ether	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
2-Chloronaphthalene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
2-Chlorophenol	ND		ug/kg	442	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Chrysene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Di-n-Butylphthalate	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Dibenzo(a,h)anthracene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
1,2-Dichlorobenzene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
1,3-Dichlorobenzene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
3,3-Dichlorobenzidine	ND		ug/kg	246	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
2,4-Dichlorophenol	ND		ug/kg	328	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Diethylphthalate	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
2,4-Dimethylphenol	ND		ug/kg	442	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Dimethylphthalate	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
2,4-Dinitrophenol	ND		ug/kg	328	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
1,2-Diphenylhydrazine	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Fluoranthene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Fluorene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Hexachlorocyclopentadiene	ND		ug/kg	442	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Isophorone	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Kepone	ND		ug/kg	1640	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
2-Methyl-4,6-dinitrophenol	ND		ug/kg	442	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Naphthalene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
N-Nitrosodimethylamine	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
N-Nitrosodiphenylamine	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Phenol	ND		ug/kg	442	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025002** Date Collected: 6/9/2015 11:15 Matrix: Solid
Sample ID: **ABC 2 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pyrene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
1,2,4-Trichlorobenzene	ND		ug/kg	164	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	85.2		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	88.3		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	70.6		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	72.2		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	65.6		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	65.4		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	72		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	69.9		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	70.1		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	67.1		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Terphenyl-d14 (S)	77.7		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	72.5		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 15:36	CGS	A
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.057	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	
Aroclor-1016	ND		mg/kg	0.057	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	
Aroclor-1221	ND		mg/kg	0.057	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	
Aroclor-1232	ND		mg/kg	0.057	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025002** Date Collected: 6/9/2015 11:15 Matrix: Solid
Sample ID: **ABC 2 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Aroclor-1242	ND		mg/kg	0.057	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	
Aroclor-1248	ND		mg/kg	0.057	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	
Aroclor-1254	ND		mg/kg	0.057	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	
Aroclor-1260	ND		mg/kg	0.057	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	187	1	%	46 - 120	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	
Tetrachloro-m-xylene (S)	112		%	52 - 115	SW846 8082A	6/11/15	KAC	7/8/15 14:59	EGO	
PESTICIDES										
Aldrin	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
alpha-BHC	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
beta-BHC	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
delta-BHC	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
gamma-BHC	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
alpha-Chlordane	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
gamma-Chlordane	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
4,4'-DDD	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
4,4'-DDE	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
4,4'-DDT	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Dieldrin	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Endosulfan I	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Endosulfan II	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Endosulfan Sulfate	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Endrin	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Endrin Aldehyde	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Endrin Ketone	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Heptachlor	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Heptachlor Epoxide	ND		ug/kg	14.6	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Methoxychlor	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Mirex	ND		ug/kg	28.3	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Toxaphene	ND		ug/kg	111	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	70.2		%	30 - 135	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
Tetrachloro-m-xylene (S)	54.8		%	30 - 111	SW846 8081B	6/11/15	KAC	6/13/15 18:55	RWS	A
ORGANOPHOSPHORUS COMPOUNDS										
Acetochlor	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Alachlor	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025002** Date Collected: 6/9/2015 11:15 Matrix: Solid
Sample ID: **ABC 2 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Atrazine	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Azinphos Methyl	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Bolstar	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Bromacil	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Butachlor	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Chlorpyrifos	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Coumaphos	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Cyanizine	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Demeton	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Diazinon	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Dichlorovos	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
O,O-Diethyl O-pyrazinylphoshor	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Dimethoate	ND		ug/kg	77.6	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
EPN	ND		ug/kg	104	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Ethoprop	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Fensulfothion	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Fenthion	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Malathion	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Methyl Parathion	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Metolachlor	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Metribuzin	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Mevinphos	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Molinate	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Parathion	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Pendimethalin(Prowl)	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Phorate	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Prometon	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Propachlor	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Ronnel	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Simazine	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Sulfotep	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Tetrachlorinphos	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Tokuthion	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Trichloronate	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Trifluralin	ND		ug/kg	60.4	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025002** Date Collected: 6/9/2015 11:15 Matrix: Solid
Sample ID: **ABC 2 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
IS_Triphenylphosphate (S)	38.5		%	16 - 169	SW846 8141B	6/12/15	KAC	6/13/15 20:15	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	56		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	40		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 04:29	KJH	A
WET CHEMISTRY										
Cyanide, Total	ND		mg/kg	0.44	SW846 9012B	6/12/15	SYB	6/13/15 19:44	LJF	A
Hexane Extractable Material	819		mg/kg	349	SW846 9071B			6/21/15 12:30	AT	A
Hexavalent Chromium	ND		mg/kg	3.4	SW846 7196A	6/15/15	THB	6/15/15 18:00	THB	A
Moisture	42.0		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Silica Gel Treated HEM	ND		mg/kg	349	SW846 9071B			6/21/15 12:30	AT	A
Total Solids	58.0		%	0.1	S2540G-11			6/11/15 09:19	JP	A
METALS										
Trivalent Chromium	ND		mg/kg	3.5	Calculation			6/25/15 16:23	JWB	A
Antimony, Total	0.16		mg/kg	0.11	SW846 6020A	6/14/15	JPS	6/15/15 06:09	ZMC	A1
Arsenic, Total	2.9		mg/kg	0.16	SW846 6020A	6/14/15	JPS	6/15/15 06:09	ZMC	A1
Chromium, Total	0.61		mg/kg	0.11	SW846 6020A	6/14/15	JPS	6/15/15 06:09	ZMC	A1
Copper, Total	1.7		mg/kg	0.27	SW846 6020A	6/14/15	JPS	6/15/15 06:09	ZMC	A1
Nickel, Total	0.73		mg/kg	0.27	SW846 6020A	6/14/15	JPS	6/15/15 06:09	ZMC	A1
Thallium, Total	ND		mg/kg	0.053	SW846 6020A	6/14/15	JPS	6/15/15 06:09	ZMC	A1
Zinc, Total	1.1		mg/kg	0.27	SW846 6020A	6/14/15	JPS	6/15/15 06:09	ZMC	A1
TCLP METALS										
Arsenic, Total	ND		mg/L	0.14	SW846 6010C	6/18/15	JPS	6/18/15 12:07	SRT	A3
Barium, Total	3.8		mg/L	2.8	SW846 6010C	6/18/15	JPS	6/18/15 12:07	SRT	A3
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/18/15	JPS	6/18/15 12:07	SRT	A3
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/18/15	JPS	6/18/15 12:07	SRT	A3
Lead, Total	ND		mg/L	0.033	SW846 6010C	6/18/15	JPS	6/18/15 12:07	SRT	A3
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/17/15	MNP	6/17/15 12:55	MNP	A2
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/18/15	JPS	6/18/15 12:07	SRT	A3
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/18/15	JPS	6/18/15 12:07	SRT	A3
TCLP SEMI-VOLATILES										
mp-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
o-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025002** Date Collected: 6/9/2015 11:15 Matrix: Solid
Sample ID: **ABC 2 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
Pentachlorophenol	ND		ug/L	320	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
Pyridine	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	68.1		%	40 - 125	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
2-Fluorobiphenyl (S)	65.9		%	50 - 110	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
2-Fluorophenol (S)	44.8		%	20 - 75	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
Nitrobenzene-d5 (S)	69.2		%	40 - 110	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
Phenol-d5 (S)	28		%	13 - 49	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
Terphenyl-d14 (S)	78.5		%	50 - 122	SW846 8270D	6/19/15	PDK	6/20/15 14:08	GEC	A
TCLP PESTICIDES										
gamma-BHC	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:26	RWS	A
Chlordane	ND		ug/L	10.0	SW846 8081B	6/16/15	CAC	6/17/15 14:26	RWS	A
Endrin	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:26	RWS	A
Heptachlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:26	RWS	A
Heptachlor Epoxide	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:26	RWS	A
Methoxychlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:26	RWS	A
Toxaphene	ND		ug/L	20.0	SW846 8081B	6/16/15	CAC	6/17/15 14:26	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	56.4		%	30 - 140	SW846 8081B	6/16/15	CAC	6/17/15 14:26	RWS	A
Tetrachloro-m-xylene (S)	81.1		%	30 - 123	SW846 8081B	6/16/15	CAC	6/17/15 14:26	RWS	A
TCLP HERBICIDES										
2,4-D	ND		ug/L	4.0	SW846 8151A	6/17/15	PDK	6/18/15 17:45	KJH	A
2,4,5-TP	ND		ug/L	6.0	SW846 8151A	6/17/15	PDK	6/18/15 17:45	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4-Dichlorophenylacetic acid (S)	105		%	14 - 172	SW846 8151A	6/17/15	PDK	6/18/15 17:45	KJH	A
SUBCONTRACTED ANALYSIS										
Subcontracted Analysis	See attached				Subcontract			6/16/15 00:00	SUB	E

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID:	**2076025002**	Date Collected:	6/9/2015 11:15	Matrix:	Solid
Sample ID:	**ABC 2 Comp**	Date Received:	6/10/2015 19:50		

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	*Cntr*

Shannon Butler

Ms. Shannon Butler
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025003** Date Collected: 6/9/2015 09:00 Matrix: Solid

Sample ID: **ABC 3 Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS										
Benzene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:43	JPA	D
2-Butanone	ND		ug/L	200	SW846 8260B			6/18/15 08:43	JPA	D
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B			6/18/15 08:43	JPA	D
Chlorobenzene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:43	JPA	D
Chloroform	ND		ug/L	20.0	SW846 8260B			6/18/15 08:43	JPA	D
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B			6/18/15 08:43	JPA	D
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:43	JPA	D
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:43	JPA	D
Trichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:43	JPA	D
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B			6/18/15 08:43	JPA	D
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	97.4		%	62 - 133	SW846 8260B			6/18/15 08:43	JPA	D
4-Bromofluorobenzene (S)	85.5		%	79 - 114	SW846 8260B			6/18/15 08:43	JPA	D
Dibromofluoromethane (S)	95.6		%	78 - 116	SW846 8260B			6/18/15 08:43	JPA	D
Toluene-d8 (S)	96.8		%	76 - 127	SW846 8260B			6/18/15 08:43	JPA	D
VOLATILE ORGANICS										
Acrolein	ND		ug/kg	52.9	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Acrylonitrile	ND		ug/kg	10.6	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Bromodichloromethane	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Bromoform	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Bromomethane	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
2-Butanone	ND		ug/kg	10.6	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Chlorodibromomethane	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
1,2-Dichloropropane	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
1,3-Dichloropropene, Total	ND		ug/kg	4.2	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Ethylbenzene	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Methylene Chloride	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Toluene	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Trichloroethene	ND		ug/kg	2.1	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	110		%	56 - 124	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
4-Bromofluorobenzene (S)	122		%	51 - 128	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
Dibromofluoromethane (S)	122		%	62 - 123	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025003** Date Collected: 6/9/2015 09:00 Matrix: Solid
Sample ID: **ABC 3 Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	117		%	59 - 131	SW846 8260B	6/9/15	JPA	6/11/15 13:29	JPA	A
WET CHEMISTRY										
Moisture	40.8		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Total Solids	59.2		%	0.1	S2540G-11			6/11/15 09:19	JP	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025004** Date Collected: 6/9/2015 09:15 Matrix: Solid
Sample ID: **ABC 3 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Anthracene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Benzidine	ND		ug/kg	1440	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Benzo(a)anthracene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Benzo(a)pyrene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Benzo(b)fluoranthene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Benzo(k)fluoranthene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Butylbenzylphthalate	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
bis(2-Chloroethyl)ether	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
2-Chloronaphthalene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
2-Chlorophenol	ND		ug/kg	484	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Chrysene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Di-n-Butylphthalate	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Dibenzo(a,h)anthracene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
1,2-Dichlorobenzene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
1,3-Dichlorobenzene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
3,3-Dichlorobenzidine	ND		ug/kg	269	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
2,4-Dichlorophenol	ND		ug/kg	359	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Diethylphthalate	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
2,4-Dimethylphenol	ND		ug/kg	484	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Dimethylphthalate	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
2,4-Dinitrophenol	ND		ug/kg	359	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
1,2-Diphenylhydrazine	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Fluoranthene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Fluorene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Hexachlorocyclopentadiene	ND		ug/kg	484	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Isophorone	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Kepone	ND		ug/kg	1790	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
2-Methyl-4,6-dinitrophenol	ND		ug/kg	484	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Naphthalene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
N-Nitrosodimethylamine	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
N-Nitrosodiphenylamine	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Phenol	ND		ug/kg	484	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025004** Date Collected: 6/9/2015 09:15 Matrix: Solid
Sample ID: **ABC 3 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pyrene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
1,2,4-Trichlorobenzene	ND		ug/kg	179	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	79.3		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	82.3		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	70.8		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	72.4		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	64.3		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	63.6		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Nitrobenzene-d5 (S)	70.1		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	72.2		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	63.4		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	65.8		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Terphenyl-d14 (S)	65.3		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	70		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 16:00	CGS	A
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.059	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	
Aroclor-1016	ND		mg/kg	0.059	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	
Aroclor-1221	ND		mg/kg	0.059	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	
Aroclor-1232	ND		mg/kg	0.059	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	
Aroclor-1242	ND		mg/kg	0.059	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	
Aroclor-1248	ND		mg/kg	0.059	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025004** Date Collected: 6/9/2015 09:15 Matrix: Solid
Sample ID: **ABC 3 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Aroclor-1254	ND		mg/kg	0.059	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	
Aroclor-1260	ND		mg/kg	0.059	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	119		%	46 - 120	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	
Tetrachloro-m-xylene (S)	82.4		%	52 - 115	SW846 8082A	6/11/15	KAC	7/8/15 15:11	EGO	
PESTICIDES										
Aldrin	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
alpha-BHC	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
beta-BHC	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
delta-BHC	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
gamma-BHC	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
alpha-Chlordane	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
gamma-Chlordane	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
4,4'-DDD	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
4,4'-DDE	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
4,4'-DDT	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Dieldrin	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Endosulfan I	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Endosulfan II	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Endosulfan Sulfate	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Endrin	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Endrin Aldehyde	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Endrin Ketone	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Heptachlor	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Heptachlor Epoxide	ND		ug/kg	15.3	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Methoxychlor	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Mirex	ND		ug/kg	29.6	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Toxaphene	ND		ug/kg	117	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	62.4		%	30 - 135	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
Tetrachloro-m-xylene (S)	43.8		%	30 - 111	SW846 8081B	6/11/15	KAC	6/13/15 19:10	RWS	A
ORGANOPHOSPHORUS COMPOUNDS										
Acetochlor	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Alachlor	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Atrazine	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Azinphos Methyl	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025004** Date Collected: 6/9/2015 09:15 Matrix: Solid
Sample ID: **ABC 3 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Bolstar	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Bromacil	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Butachlor	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Chlorpyrifos	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Coumaphos	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Cyanizine	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Demeton	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Diazinon	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Dichlorovos	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
O,O-Diethyl O-pyrazinylphoshor	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Dimethoate	ND		ug/kg	80.2	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
EPN	ND		ug/kg	107	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Ethoprop	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Fensulfothion	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Fenthion	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Malathion	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Methyl Parathion	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Metolachlor	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Metribuzin	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Mevinphos	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Molinate	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Parathion	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Pendimethalin(Prowl)	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Phorate	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Prometon	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Propachlor	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Ronnel	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Simazine	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A
Sulfotep	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Tetrachlorinphos	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Tokuthion	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Trichloronate	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Trifluralin	ND		ug/kg	62.4	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	38.3		%	16 - 169	SW846 8141B	6/12/15	KAC	6/13/15 19:12	EGO	A

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025004** Date Collected: 6/9/2015 09:15 Matrix: Solid
Sample ID: **ABC 3 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	65.5		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	55.7		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 03:52	KJH	A
WET CHEMISTRY										
Cyanide, Total	ND		mg/kg	0.46	SW846 9012B	6/12/15	SYB	6/13/15 19:44	LJF	A
Hexane Extractable Material	805		mg/kg	366	SW846 9071B			6/21/15 12:30	AT	A
Hexavalent Chromium	ND		mg/kg	3.5	SW846 7196A	6/15/15	THB	6/15/15 18:00	THB	A
Moisture	45.4		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Silica Gel Treated HEM	ND		mg/kg	366	SW846 9071B			6/21/15 12:30	AT	A
Total Solids	54.6		%	0.1	S2540G-11			6/11/15 09:19	JP	A
METALS										
Trivalent Chromium	ND		mg/kg	3.7	Calculation			6/25/15 16:23	JWB	A
Antimony, Total	0.13		mg/kg	0.11	SW846 6020A	6/14/15	JPS	6/15/15 06:13	ZMC	A1
Arsenic, Total	3.1		mg/kg	0.17	SW846 6020A	6/14/15	JPS	6/15/15 06:13	ZMC	A1
Chromium, Total	0.80		mg/kg	0.11	SW846 6020A	6/14/15	JPS	6/15/15 06:13	ZMC	A1
Copper, Total	2.0		mg/kg	0.28	SW846 6020A	6/14/15	JPS	6/15/15 06:13	ZMC	A1
Nickel, Total	0.70		mg/kg	0.28	SW846 6020A	6/14/15	JPS	6/15/15 06:13	ZMC	A1
Thallium, Total	ND		mg/kg	0.057	SW846 6020A	6/14/15	JPS	6/15/15 06:13	ZMC	A1
Zinc, Total	1.6		mg/kg	0.28	SW846 6020A	6/14/15	JPS	6/15/15 06:13	ZMC	A1
TCLP METALS										
Arsenic, Total	ND		mg/L	0.14	SW846 6010C	6/18/15	JPS	6/18/15 12:10	SRT	A3
Barium, Total	3.9		mg/L	2.8	SW846 6010C	6/18/15	JPS	6/18/15 12:10	SRT	A3
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/18/15	JPS	6/18/15 12:10	SRT	A3
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/18/15	JPS	6/18/15 12:10	SRT	A3
Lead, Total	ND		mg/L	0.033	SW846 6010C	6/18/15	JPS	6/18/15 12:10	SRT	A3
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/17/15	MNP	6/17/15 12:56	MNP	A2
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/18/15	JPS	6/18/15 12:10	SRT	A3
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/18/15	JPS	6/18/15 12:10	SRT	A3
TCLP SEMI-VOLATILES										
mp-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
o-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025004** Date Collected: 6/9/2015 09:15 Matrix: Solid
Sample ID: **ABC 3 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
Pentachlorophenol	ND		ug/L	320	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
Pyridine	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	68.6		%	40 - 125	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
2-Fluorobiphenyl (S)	65.4		%	50 - 110	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
2-Fluorophenol (S)	47.9		%	20 - 75	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
Nitrobenzene-d5 (S)	69.7		%	40 - 110	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
Phenol-d5 (S)	30.6		%	13 - 49	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
Terphenyl-d14 (S)	78.1		%	50 - 122	SW846 8270D	6/19/15	PDK	6/20/15 13:44	GEC	A
TCLP PESTICIDES										
gamma-BHC	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:42	RWS	A
Chlordane	ND		ug/L	10.0	SW846 8081B	6/16/15	CAC	6/17/15 14:42	RWS	A
Endrin	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:42	RWS	A
Heptachlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:42	RWS	A
Heptachlor Epoxide	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:42	RWS	A
Methoxychlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:42	RWS	A
Toxaphene	ND		ug/L	20.0	SW846 8081B	6/16/15	CAC	6/17/15 14:42	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	61.2		%	30 - 140	SW846 8081B	6/16/15	CAC	6/17/15 14:42	RWS	A
Tetrachloro-m-xylene (S)	76.8		%	30 - 123	SW846 8081B	6/16/15	CAC	6/17/15 14:42	RWS	A
TCLP HERBICIDES										
2,4-D	ND		ug/L	4.0	SW846 8151A	6/17/15	PDK	6/18/15 15:53	KJH	A
2,4,5-TP	ND		ug/L	6.0	SW846 8151A	6/17/15	PDK	6/18/15 15:53	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4-Dichlorophenylacetic acid (S)	111		%	14 - 172	SW846 8151A	6/17/15	PDK	6/18/15 15:53	KJH	A
SUBCONTRACTED ANALYSIS										
Subcontracted Analysis	See attached				Subcontract			6/16/15 00:00	SUB	E

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID:	**2076025004**	Date Collected:	6/9/2015 09:15	Matrix:	Solid
Sample ID:	**ABC 3 Comp**	Date Received:	6/10/2015 19:50		

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	*Cntr*

Shannon Butler

Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025005** Date Collected: 6/9/2015 12:45 Matrix: Solid
Sample ID: **ABC 4 Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS										
Benzene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:34	JPA	D
2-Butanone	ND		ug/L	200	SW846 8260B			6/18/15 07:34	JPA	D
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B			6/18/15 07:34	JPA	D
Chlorobenzene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:34	JPA	D
Chloroform	ND		ug/L	20.0	SW846 8260B			6/18/15 07:34	JPA	D
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B			6/18/15 07:34	JPA	D
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:34	JPA	D
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:34	JPA	D
Trichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:34	JPA	D
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B			6/18/15 07:34	JPA	D
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	93.7		%	62 - 133	SW846 8260B			6/18/15 07:34	JPA	D
4-Bromofluorobenzene (S)	84.9		%	79 - 114	SW846 8260B			6/18/15 07:34	JPA	D
Dibromofluoromethane (S)	93.2		%	78 - 116	SW846 8260B			6/18/15 07:34	JPA	D
Toluene-d8 (S)	94.8		%	76 - 127	SW846 8260B			6/18/15 07:34	JPA	D
VOLATILE ORGANICS										
Acrolein	ND		ug/kg	41.0	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Acrylonitrile	ND		ug/kg	8.2	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Bromodichloromethane	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Bromoform	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Bromomethane	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
2-Butanone	ND		ug/kg	8.2	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Chlorodibromomethane	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
trans-1,2-Dichloroethene	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
1,2-Dichloropropane	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
1,3-Dichloropropene, Total	ND		ug/kg	3.3	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Ethylbenzene	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Methylene Chloride	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Toluene	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
1,1,2-Trichloroethane	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Trichloroethene	ND		ug/kg	1.6	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	182	7	%	56 - 124	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
4-Bromofluorobenzene (S)	138	9	%	51 - 128	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
Dibromofluoromethane (S)	201	6	%	62 - 123	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025005** Date Collected: 6/9/2015 12:45 Matrix: Solid
Sample ID: **ABC 4 Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	202	8	%	59 - 131	SW846 8260B	6/9/15	TMP	6/12/15 18:02	TMP	C
WET CHEMISTRY										
Moisture	45.8		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Total Solids	54.2		%	0.1	S2540G-11			6/11/15 09:19	JP	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025006** Date Collected: 6/9/2015 13:00 Matrix: Solid
Sample ID: **ABC 4 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Anthracene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Benzidine	ND		ug/kg	1330	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Benzo(a)anthracene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Benzo(a)pyrene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Benzo(b)fluoranthene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Benzo(k)fluoranthene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Butylbenzylphthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
bis(2-Chloroethyl)ether	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
2-Chloronaphthalene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
2-Chlorophenol	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Chrysene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Di-n-Butylphthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Dibenzo(a,h)anthracene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
1,2-Dichlorobenzene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
1,3-Dichlorobenzene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
3,3-Dichlorobenzidine	ND		ug/kg	250	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
2,4-Dichlorophenol	ND		ug/kg	333	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Diethylphthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
2,4-Dimethylphenol	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Dimethylphthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
2,4-Dinitrophenol	ND		ug/kg	333	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
1,2-Diphenylhydrazine	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Fluoranthene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Fluorene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Hexachlorocyclopentadiene	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Isophorone	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Kepone	ND		ug/kg	1660	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
2-Methyl-4,6-dinitrophenol	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Naphthalene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
N-Nitrosodimethylamine	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
N-Nitrosodiphenylamine	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Phenol	ND		ug/kg	449	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025006** Date Collected: 6/9/2015 13:00 Matrix: Solid
Sample ID: **ABC 4 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pyrene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
1,2,4-Trichlorobenzene	ND		ug/kg	166	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	82.9		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	86		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
2-Fluorobiphenyl (S)	76.2		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	74.5		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
2-Fluorophenol (S)	64.5		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	63.8		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Nitrobenzene-d5 (S)	74		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	76.2		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Phenol-d5 (S)	64.7		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	62.9		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Terphenyl-d14 (S)	80.6		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	75.2		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 16:24	CGS	A
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.056	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	
Aroclor-1016	ND		mg/kg	0.056	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	
Aroclor-1221	ND		mg/kg	0.056	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	
Aroclor-1232	ND		mg/kg	0.056	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	
Aroclor-1242	ND		mg/kg	0.056	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	
Aroclor-1248	ND		mg/kg	0.056	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	
Aroclor-1254	ND		mg/kg	0.056	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	
Aroclor-1260	ND		mg/kg	0.056	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	113		%	46 - 120	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025006** Date Collected: 6/9/2015 13:00 Matrix: Solid
Sample ID: **ABC 4 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Tetrachloro-m-xylene (S)	84.8		%	52 - 115	SW846 8082A	6/11/15	KAC	7/8/15 15:23	EGO	
PESTICIDES										
Aldrin	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
alpha-BHC	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
beta-BHC	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
delta-BHC	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
gamma-BHC	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
alpha-Chlordane	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
gamma-Chlordane	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
4,4'-DDD	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
4,4'-DDE	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
4,4'-DDT	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Dieldrin	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Endosulfan I	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Endosulfan II	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Endosulfan Sulfate	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Endrin	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Endrin Aldehyde	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Endrin Ketone	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Heptachlor	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Heptachlor Epoxide	ND		ug/kg	14.4	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Methoxychlor	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Mirex	ND		ug/kg	28.0	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Toxaphene	ND		ug/kg	110	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	53.2		%	30 - 135	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
Tetrachloro-m-xylene (S)	52		%	30 - 111	SW846 8081B	6/11/15	KAC	6/13/15 19:26	RWS	A
ORGANOPHOSPHORUS COMPOUNDS										
Acetochlor	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Alachlor	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Atrazine	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Azinphos Methyl	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Bolstar	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Bromacil	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Butachlor	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Chlorpyrifos	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Coumaphos	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025006** Date Collected: 6/9/2015 13:00 Matrix: Solid
Sample ID: **ABC 4 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Cyanizine	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Demeton	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Diazinon	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Dichlorovos	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
O,O-Diethyl O-pyrazinylphoshor	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Dimethoate	ND		ug/kg	74.4	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
EPN	ND		ug/kg	99.2	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Ethoprop	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Fensulfothion	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Fenthion	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Malathion	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Methyl Parathion	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Metolachlor	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Metribuzin	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Mevinphos	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Molinate	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Parathion	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Pendimethalin(Prowl)	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Phorate	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Prometon	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Propachlor	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Ronnel	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Simazine	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Sulfotep	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Tetrachlorinphos	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Tokuthion	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Trichloronate	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Trifluralin	ND		ug/kg	57.8	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	47.8		%	16 - 169	SW846 8141B	6/12/15	KAC	6/13/15 20:46	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	72.1		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	48		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 05:06	KJH	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025006** Date Collected: 6/9/2015 13:00 Matrix: Solid
Sample ID: **ABC 4 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Cyanide, Total	ND		mg/kg	0.42	SW846 9012B	6/12/15	SYB	6/13/15 19:44	LJF	A
Hexane Extractable Material	605		mg/kg	336	SW846 9071B			6/21/15 12:30	AT	A
Hexavalent Chromium	ND		mg/kg	3.4	SW846 7196A	6/15/15	THB	6/15/15 18:00	THB	A
Moisture	41.1		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Silica Gel Treated HEM	ND		mg/kg	336	SW846 9071B			6/21/15 12:30	AT	A
Total Solids	58.9		%	0.1	S2540G-11			6/11/15 09:19	JP	A
METALS										
Trivalent Chromium	ND		mg/kg	3.4	Calculation			6/25/15 16:23	JWB	A
Antimony, Total	0.21		mg/kg	0.11	SW846 6020A	6/14/15	JPS	6/15/15 06:28	ZMC	A1
Arsenic, Total	3.9		mg/kg	0.16	SW846 6020A	6/14/15	JPS	6/15/15 06:28	ZMC	A1
Chromium, Total	0.69		mg/kg	0.11	SW846 6020A	6/14/15	JPS	6/15/15 06:28	ZMC	A1
Copper, Total	2.1		mg/kg	0.26	SW846 6020A	6/14/15	JPS	6/15/15 06:28	ZMC	A1
Nickel, Total	0.85		mg/kg	0.26	SW846 6020A	6/14/15	JPS	6/15/15 06:28	ZMC	A1
Thallium, Total	0.059		mg/kg	0.053	SW846 6020A	6/14/15	JPS	6/15/15 06:28	ZMC	A1
Zinc, Total	0.87		mg/kg	0.26	SW846 6020A	6/14/15	JPS	6/15/15 06:28	ZMC	A1
TCLP METALS										
Arsenic, Total	ND		mg/L	0.14	SW846 6010C	6/18/15	JPS	6/18/15 12:14	SRT	A3
Barium, Total	3.7		mg/L	2.8	SW846 6010C	6/18/15	JPS	6/18/15 12:14	SRT	A3
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/18/15	JPS	6/18/15 12:14	SRT	A3
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/18/15	JPS	6/18/15 12:14	SRT	A3
Lead, Total	ND		mg/L	0.033	SW846 6010C	6/18/15	JPS	6/18/15 12:14	SRT	A3
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/17/15	MNP	6/17/15 12:57	MNP	A2
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/18/15	JPS	6/18/15 12:14	SRT	A3
Silver, Total	0.24		mg/L	0.022	SW846 6010C	6/18/15	JPS	6/18/15 12:14	SRT	A3
TCLP SEMI-VOLATILES										
mp-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
o-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Pentachlorophenol	ND		ug/L	320	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Pyridine	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025006** Date Collected: 6/9/2015 13:00 Matrix: Solid
Sample ID: **ABC 4 Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	62.2		%	40 - 125	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
2-Fluorobiphenyl (S)	55		%	50 - 110	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
2-Fluorophenol (S)	36.6		%	20 - 75	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Nitrobenzene-d5 (S)	56.8		%	40 - 110	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Phenol-d5 (S)	23.3		%	13 - 49	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
Terphenyl-d14 (S)	76.2		%	50 - 122	SW846 8270D	6/19/15	PDK	6/20/15 14:32	GEC	A
TCLP PESTICIDES										
gamma-BHC	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:58	RWS	A
Chlordane	ND		ug/L	10.0	SW846 8081B	6/16/15	CAC	6/17/15 14:58	RWS	A
Endrin	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:58	RWS	A
Heptachlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:58	RWS	A
Heptachlor Epoxide	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:58	RWS	A
Methoxychlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 14:58	RWS	A
Toxaphene	ND		ug/L	20.0	SW846 8081B	6/16/15	CAC	6/17/15 14:58	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	52.8		%	30 - 140	SW846 8081B	6/16/15	CAC	6/17/15 14:58	RWS	A
Tetrachloro-m-xylene (S)	64.8		%	30 - 123	SW846 8081B	6/16/15	CAC	6/17/15 14:58	RWS	A
TCLP HERBICIDES										
2,4-D	ND		ug/L	4.0	SW846 8151A	6/17/15	PDK	6/18/15 18:22	KJH	A
2,4,5-TP	ND		ug/L	6.0	SW846 8151A	6/17/15	PDK	6/18/15 18:22	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4-Dichlorophenylacetic acid (S)	119		%	14 - 172	SW846 8151A	6/17/15	PDK	6/18/15 18:22	KJH	A
SUBCONTRACTED ANALYSIS										
Subcontracted Analysis	See attached				Subcontract			6/16/15 00:00	SUB	E

Shannon Butler

Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025007** Date Collected: 6/10/2015 10:00 Matrix: Solid
Sample ID: **Low Volume C Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS										
Benzene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:51	JPA	D
2-Butanone	ND		ug/L	200	SW846 8260B			6/18/15 07:51	JPA	D
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B			6/18/15 07:51	JPA	D
Chlorobenzene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:51	JPA	D
Chloroform	ND		ug/L	20.0	SW846 8260B			6/18/15 07:51	JPA	D
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B			6/18/15 07:51	JPA	D
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:51	JPA	D
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:51	JPA	D
Trichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 07:51	JPA	D
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B			6/18/15 07:51	JPA	D
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	96.8		%	62 - 133	SW846 8260B			6/18/15 07:51	JPA	D
4-Bromofluorobenzene (S)	84.8		%	79 - 114	SW846 8260B			6/18/15 07:51	JPA	D
Dibromofluoromethane (S)	94.7		%	78 - 116	SW846 8260B			6/18/15 07:51	JPA	D
Toluene-d8 (S)	96		%	76 - 127	SW846 8260B			6/18/15 07:51	JPA	D
VOLATILE ORGANICS										
Acrolein	ND		ug/kg	131	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Acrylonitrile	ND		ug/kg	26.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Bromodichloromethane	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Bromoform	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Bromomethane	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
2-Butanone	ND		ug/kg	26.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Chlorodibromomethane	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
1,2-Dichloropropane	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
1,3-Dichloropropene, Total	ND		ug/kg	10.5	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Ethylbenzene	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Methylene Chloride	ND	1	ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Toluene	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Trichloroethene	ND		ug/kg	5.2	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	104		%	56 - 124	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
4-Bromofluorobenzene (S)	110		%	51 - 128	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
Dibromofluoromethane (S)	116		%	62 - 123	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025007** Date Collected: 6/10/2015 10:00 Matrix: Solid
Sample ID: **Low Volume C Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	104		%	59 - 131	SW846 8260B	6/10/15	JPA	6/11/15 14:16	JPA	A
WET CHEMISTRY										
Moisture	70.9		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Total Solids	29.1		%	0.1	S2540G-11			6/11/15 09:19	JP	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025008** Date Collected: 6/10/2015 10:05 Matrix: Solid
Sample ID: **Low Volume C Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Anthracene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Benzidine	ND		ug/kg	2350	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Benzo(a)anthracene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Benzo(a)pyrene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Benzo(b)fluoranthene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Benzo(k)fluoranthene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Butylbenzylphthalate	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
bis(2-Chloroethyl)ether	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
2-Chloronaphthalene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
2-Chlorophenol	ND		ug/kg	793	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Chrysene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Di-n-Butylphthalate	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Dibenzo(a,h)anthracene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
1,2-Dichlorobenzene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
1,3-Dichlorobenzene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
3,3-Dichlorobenzidine	ND		ug/kg	440	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
2,4-Dichlorophenol	ND		ug/kg	587	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Diethylphthalate	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
2,4-Dimethylphenol	ND		ug/kg	793	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Dimethylphthalate	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
2,4-Dinitrophenol	ND		ug/kg	587	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
1,2-Diphenylhydrazine	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Fluoranthene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Fluorene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Hexachlorocyclopentadiene	ND		ug/kg	793	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Isophorone	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Kepone	ND		ug/kg	2940	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
2-Methyl-4,6-dinitrophenol	ND		ug/kg	793	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Naphthalene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
N-Nitrosodimethylamine	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
N-Nitrosodiphenylamine	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Phenol	ND		ug/kg	793	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025008** Date Collected: 6/10/2015 10:05 Matrix: Solid
Sample ID: **Low Volume C Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pyrene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
1,2,4-Trichlorobenzene	ND		ug/kg	294	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	82.1		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	79.2		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
2-Fluorobiphenyl (S)	69.5		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	71.1		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
2-Fluorophenol (S)	71.6		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	71.7		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	73.5		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	75.7		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Phenol-d5 (S)	72		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	69.1		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	67.3		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	72.2		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 16:49	CGS	A
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.099	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	
Aroclor-1016	ND		mg/kg	0.099	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	
Aroclor-1221	ND		mg/kg	0.099	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	
Aroclor-1232	ND		mg/kg	0.099	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	
Aroclor-1242	ND		mg/kg	0.099	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	
Aroclor-1248	ND		mg/kg	0.099	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	
Aroclor-1254	ND		mg/kg	0.099	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	
Aroclor-1260	ND		mg/kg	0.099	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025008** Date Collected: 6/10/2015 10:05 Matrix: Solid

Sample ID: **Low Volume C Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	101		%	46 - 120	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	
Tetrachloro-m-xylene (S)	104		%	52 - 115	SW846 8082A	6/11/15	KAC	7/8/15 15:34	EGO	
PESTICIDES										
Aldrin	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
alpha-BHC	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
beta-BHC	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
delta-BHC	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
gamma-BHC	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
alpha-Chlordane	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
gamma-Chlordane	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
4,4'-DDD	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
4,4'-DDE	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
4,4'-DDT	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Dieldrin	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Endosulfan I	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Endosulfan II	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Endosulfan Sulfate	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Endrin	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Endrin Aldehyde	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Endrin Ketone	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Heptachlor	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Heptachlor Epoxide	ND		ug/kg	25.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Methoxychlor	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Mirex	ND		ug/kg	49.4	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Toxaphene	ND		ug/kg	195	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	63.4		%	30 - 135	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
Tetrachloro-m-xylene (S)	44.4		%	30 - 111	SW846 8081B	6/11/15	KAC	6/13/15 19:42	RWS	A
ORGANOPHOSPHORUS COMPOUNDS										
Acetochlor	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Alachlor	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Atrazine	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Azinphos Methyl	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Bolstar	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Bromacil	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025008** Date Collected: 6/10/2015 10:05 Matrix: Solid
Sample ID: **Low Volume C Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Butachlor	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Chlorpyrifos	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Coumaphos	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Cyanizine	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Demeton	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Diazinon	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Dichlorovos	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
O,O-Diethyl O-pyrazinylphoshor	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Dimethoate	ND		ug/kg	137	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
EPN	ND		ug/kg	182	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Ethoprop	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Fensulfothion	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Fenthion	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Malathion	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Methyl Parathion	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Metolachlor	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Metribuzin	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Mevinphos	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Molinate	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Parathion	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Pendimethalin(Prowl)	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Phorate	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Prometon	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Propachlor	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Ronnel	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Simazine	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Sulfotep	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Tetrachlorinphos	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Tokuthion	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Trichloronate	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
Trifluralin	ND		ug/kg	106	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	71.2		%	16 - 169	SW846 8141B	6/12/15	KAC	6/13/15 21:18	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	79.6		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025008** Date Collected: 6/10/2015 10:05 Matrix: Solid

Sample ID: **Low Volume C Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	111		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 05:43	KJH	A
WET CHEMISTRY										
Cyanide, Total	ND		mg/kg	0.73	SW846 9012B	6/12/15	SYB	6/13/15 19:44	LJF	A
Hexane Extractable Material	5770		mg/kg	605	SW846 9071B			6/21/15 12:30	AT	A
Hexavalent Chromium	ND		mg/kg	5.9	SW846 7196A	6/15/15	THB	6/15/15 18:00	THB	A
Moisture	67.3		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Silica Gel Treated HEM	2990		mg/kg	605	SW846 9071B			6/21/15 12:30	AT	A
Total Solids	32.7		%	0.1	S2540G-11			6/11/15 09:19	JP	A
METALS										
Trivalent Chromium	35.6		mg/kg	6.1	Calculation			6/25/15 16:23	JWB	A
Antimony, Total	ND		mg/kg	2.6	SW846 6020A	6/14/15	JPS	6/15/15 06:32	ZMC	A1
Arsenic, Total	25.0		mg/kg	3.9	SW846 6020A	6/14/15	JPS	6/15/15 06:32	ZMC	A1
Chromium, Total	35.6		mg/kg	2.6	SW846 6020A	6/14/15	JPS	6/15/15 06:32	ZMC	A1
Copper, Total	272		mg/kg	6.5	SW846 6020A	6/14/15	JPS	6/15/15 06:32	ZMC	A1
Nickel, Total	71.6		mg/kg	6.5	SW846 6020A	6/14/15	JPS	6/15/15 06:32	ZMC	A1
Thallium, Total	ND		mg/kg	1.3	SW846 6020A	6/14/15	JPS	6/15/15 06:32	ZMC	A1
Zinc, Total	296		mg/kg	6.5	SW846 6020A	6/14/15	JPS	6/15/15 06:32	ZMC	A1
TCLP METALS										
Arsenic, Total	ND		mg/L	0.14	SW846 6010C	6/16/15	JPS	6/17/15 11:35	SRT	A2
Barium, Total	ND		mg/L	2.8	SW846 6010C	6/16/15	JPS	6/17/15 11:35	SRT	A2
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/16/15	JPS	6/17/15 11:35	SRT	A2
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/16/15	JPS	6/17/15 11:35	SRT	A2
Lead, Total	ND		mg/L	0.033	SW846 6010C	6/16/15	JPS	6/17/15 11:35	SRT	A2
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/17/15	MNP	6/17/15 12:58	MNP	A3
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/16/15	JPS	6/17/15 11:35	SRT	A2
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/16/15	JPS	6/17/15 11:35	SRT	A2
TCLP SEMI-VOLATILES										
mp-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
o-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025008** Date Collected: 6/10/2015 10:05 Matrix: Solid
Sample ID: **Low Volume C Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pentachlorophenol	ND		ug/L	320	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
Pyridine	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	70.7		%	40 - 125	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
2-Fluorobiphenyl (S)	69.3		%	50 - 110	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
2-Fluorophenol (S)	47.5		%	20 - 75	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
Nitrobenzene-d5 (S)	73.9		%	40 - 110	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
Phenol-d5 (S)	29.4		%	13 - 49	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
Terphenyl-d14 (S)	82.9		%	50 - 122	SW846 8270D	6/19/15	PDK	6/20/15 14:57	GEC	A
TCLP PESTICIDES										
gamma-BHC	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:16	RWS	A
Chlordane	ND		ug/L	10.0	SW846 8081B	6/16/15	CAC	6/17/15 16:16	RWS	A
Endrin	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:16	RWS	A
Heptachlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:16	RWS	A
Heptachlor Epoxide	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:16	RWS	A
Methoxychlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:16	RWS	A
Toxaphene	ND		ug/L	20.0	SW846 8081B	6/16/15	CAC	6/17/15 16:16	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	75.8		%	30 - 140	SW846 8081B	6/16/15	CAC	6/17/15 16:16	RWS	A
Tetrachloro-m-xylene (S)	69.1		%	30 - 123	SW846 8081B	6/16/15	CAC	6/17/15 16:16	RWS	A
TCLP HERBICIDES										
2,4-D	ND		ug/L	4.0	SW846 8151A	6/17/15	PDK	6/18/15 22:07	KJH	A
2,4,5-TP	ND		ug/L	6.0	SW846 8151A	6/17/15	PDK	6/18/15 22:07	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4-Dichlorophenylacetic acid (S)	113		%	14 - 172	SW846 8151A	6/17/15	PDK	6/18/15 22:07	KJH	A
SUBCONTRACTED ANALYSIS										
Subcontracted Analysis	See attached				Subcontract			6/16/15 00:00	SUB	E

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID:	**2076025008**	Date Collected:	6/10/2015 10:05	Matrix:	Solid
Sample ID:	**Low Volume C Comp**	Date Received:	6/10/2015 19:50		

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	*Cntr*

Shannon Butler

Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025009** Date Collected: 6/10/2015 10:10 Matrix: Solid
Sample ID: **Low Volume D Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS										
Benzene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:08	JPA	D
2-Butanone	ND		ug/L	200	SW846 8260B			6/18/15 08:08	JPA	D
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B			6/18/15 08:08	JPA	D
Chlorobenzene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:08	JPA	D
Chloroform	ND		ug/L	20.0	SW846 8260B			6/18/15 08:08	JPA	D
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B			6/18/15 08:08	JPA	D
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:08	JPA	D
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:08	JPA	D
Trichloroethene	ND		ug/L	20.0	SW846 8260B			6/18/15 08:08	JPA	D
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B			6/18/15 08:08	JPA	D
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	95		%	62 - 133	SW846 8260B			6/18/15 08:08	JPA	D
4-Bromofluorobenzene (S)	82.6		%	79 - 114	SW846 8260B			6/18/15 08:08	JPA	D
Dibromofluoromethane (S)	94.7		%	78 - 116	SW846 8260B			6/18/15 08:08	JPA	D
Toluene-d8 (S)	94		%	76 - 127	SW846 8260B			6/18/15 08:08	JPA	D
VOLATILE ORGANICS										
Acrolein	ND		ug/kg	201	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Acrylonitrile	ND		ug/kg	40.2	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Bromodichloromethane	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Bromoform	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Bromomethane	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
2-Butanone	ND		ug/kg	40.2	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Chlorodibromomethane	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
1,2-Dichloropropane	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
1,3-Dichloropropene, Total	ND		ug/kg	16.1	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Ethylbenzene	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Methylene Chloride	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Toluene	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Trichloroethene	ND		ug/kg	8.0	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	109		%	56 - 124	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
4-Bromofluorobenzene (S)	120		%	51 - 128	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
Dibromofluoromethane (S)	116		%	62 - 123	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025009** Date Collected: 6/10/2015 10:10 Matrix: Solid
Sample ID: **Low Volume D Grab** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	97.2		%	59 - 131	SW846 8260B	6/10/15	JPA	6/11/15 14:39	JPA	A
WET CHEMISTRY										
Moisture	79.2		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Total Solids	20.8		%	0.1	S2540G-11			6/11/15 09:19	JP	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025010** Date Collected: 6/10/2015 10:15 Matrix: Solid
Sample ID: **Low Volume D Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Anthracene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Benzidine	ND		ug/kg	3850	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Benzo(a)anthracene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Benzo(a)pyrene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Benzo(b)fluoranthene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Benzo(k)fluoranthene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Butylbenzylphthalate	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
bis(2-Chloroethyl)ether	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
2-Chloronaphthalene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
2-Chlorophenol	ND		ug/kg	1300	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Chrysene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Di-n-Butylphthalate	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Dibenzo(a,h)anthracene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
1,2-Dichlorobenzene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
1,3-Dichlorobenzene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
3,3-Dichlorobenzidine	ND		ug/kg	721	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
2,4-Dichlorophenol	ND		ug/kg	962	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Diethylphthalate	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
2,4-Dimethylphenol	ND		ug/kg	1300	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Dimethylphthalate	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
2,4-Dinitrophenol	ND		ug/kg	962	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
1,2-Diphenylhydrazine	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Fluoranthene	768		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Fluorene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Hexachlorocyclopentadiene	ND		ug/kg	1300	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Isophorone	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Kepone	ND		ug/kg	4810	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1300	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Naphthalene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
N-Nitrosodimethylamine	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
N-Nitrosodiphenylamine	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Phenol	ND		ug/kg	1300	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025010** Date Collected: 6/10/2015 10:15 Matrix: Solid
Sample ID: **Low Volume D Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pyrene	670		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
1,2,4-Trichlorobenzene	ND		ug/kg	481	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	90.9		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	94.2		%	37 - 123	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
2-Fluorobiphenyl (S)	78.5		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorobiphenyl (S)	76.7		%	45 - 105	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
2-Fluorophenol (S)	74		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2-Fluorophenol (S)	73.5		%	35 - 104	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Nitrobenzene-d5 (S)	75.5		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Nitrobenzene-d5 (S)	77.8		%	41 - 110	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	71.6		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Phenol-d5 (S)	74.2		%	40 - 100	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	90.6		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Terphenyl-d14 (S)	84.5		%	38 - 113	SW846 8270D	6/11/15	BS	6/11/15 17:13	CGS	A
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.16	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	
Aroclor-1016	ND		mg/kg	0.16	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	
Aroclor-1221	ND		mg/kg	0.16	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	
Aroclor-1232	ND		mg/kg	0.16	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	
Aroclor-1242	ND		mg/kg	0.16	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	
Aroclor-1248	ND		mg/kg	0.16	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	
Aroclor-1254	ND		mg/kg	0.16	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	
Aroclor-1260	ND		mg/kg	0.16	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025010** Date Collected: 6/10/2015 10:15 Matrix: Solid
Sample ID: **Low Volume D Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	108		%	46 - 120	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	
Tetrachloro-m-xylene (S)	107		%	52 - 115	SW846 8082A	6/11/15	KAC	7/8/15 15:45	EGO	
PESTICIDES										
Aldrin	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
alpha-BHC	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
beta-BHC	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
delta-BHC	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
gamma-BHC	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
alpha-Chlordane	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
gamma-Chlordane	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
4,4'-DDD	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
4,4'-DDE	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
4,4'-DDT	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Dieldrin	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Endosulfan I	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Endosulfan II	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Endosulfan Sulfate	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Endrin	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Endrin Aldehyde	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Endrin Ketone	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Heptachlor	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Heptachlor Epoxide	ND		ug/kg	41.9	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Methoxychlor	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Mirex	ND		ug/kg	81.4	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Toxaphene	ND		ug/kg	321	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	61.2		%	30 - 135	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
Tetrachloro-m-xylene (S)	46.8		%	30 - 111	SW846 8081B	6/11/15	KAC	6/13/15 19:57	RWS	A
ORGANOPHOSPHORUS COMPOUNDS										
Acetochlor	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Alachlor	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Atrazine	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Azinphos Methyl	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Bolstar	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Bromacil	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025010** Date Collected: 6/10/2015 10:15 Matrix: Solid
Sample ID: **Low Volume D Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Butachlor	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Chlorpyrifos	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Coumaphos	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Cyanizine	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Demeton	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Diazinon	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Dichlorovos	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
O,O-Diethyl O-pyrazinylphoshor	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Dimethoate	ND		ug/kg	221	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
EPN	ND		ug/kg	294	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Ethoprop	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Fensulfothion	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Fenthion	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Malathion	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Methyl Parathion	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Metolachlor	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Metribuzin	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Mevinphos	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Molinate	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Parathion	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Pendimethalin(Prowl)	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Phorate	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Prometon	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Propachlor	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Ronnel	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Simazine	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Sulfotep	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Tetrachlorinphos	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Tokuthion	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Trichloronate	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Trifluralin	ND		ug/kg	172	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	77.1		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	83.6		%	16 - 169	SW846 8141B	6/12/15	KAC	6/15/15 06:20	KJH	A

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ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025010** Date Collected: 6/10/2015 10:15 Matrix: Solid

Sample ID: **Low Volume D Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
IS_Triphenylphosphate (S)	60.4		%	16 - 169	SW846 8141B	6/12/15	KAC	6/13/15 21:49	EGO	A
WET CHEMISTRY										
Cyanide, Total	ND		mg/kg	1.3	SW846 9012B	6/13/15	SYB	6/13/15 19:44	LJF	A
Hexane Extractable Material	6620		mg/kg	980	SW846 9071B			6/21/15 12:30	AT	A
Hexavalent Chromium	ND		mg/kg	9.8	SW846 7196A	6/15/15	THB	6/15/15 18:00	THB	A
Moisture	80.0		%	0.1	S2540G-11			6/11/15 09:19	JP	A
Silica Gel Treated HEM	3380		mg/kg	980	SW846 9071B			6/21/15 12:30	AT	A
Total Solids	20.0		%	0.1	S2540G-11			6/11/15 09:19	JP	A
METALS										
Trivalent Chromium	80.5		mg/kg	10.0	Calculation			6/25/15 16:23	JWB	A
Antimony, Total	ND		mg/kg	4.7	SW846 6020A	6/14/15	JPS	6/15/15 06:35	ZMC	A1
Arsenic, Total	19.2		mg/kg	7.1	SW846 6020A	6/14/15	JPS	6/15/15 06:35	ZMC	A1
Chromium, Total	80.5		mg/kg	4.7	SW846 6020A	6/14/15	JPS	6/15/15 06:35	ZMC	A1
Copper, Total	417		mg/kg	11.8	SW846 6020A	6/14/15	JPS	6/15/15 06:35	ZMC	A1
Nickel, Total	69.7		mg/kg	11.8	SW846 6020A	6/14/15	JPS	6/15/15 06:35	ZMC	A1
Thallium, Total	ND		mg/kg	2.4	SW846 6020A	6/14/15	JPS	6/15/15 06:35	ZMC	A1
Zinc, Total	440		mg/kg	11.8	SW846 6020A	6/14/15	JPS	6/15/15 06:35	ZMC	A1
TCLP METALS										
Arsenic, Total	ND		mg/L	0.14	SW846 6010C	6/18/15	JPS	6/18/15 12:25	SRT	A3
Barium, Total	ND		mg/L	2.8	SW846 6010C	6/18/15	JPS	6/18/15 12:25	SRT	A3
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/18/15	JPS	6/18/15 12:25	SRT	A3
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/18/15	JPS	6/18/15 12:25	SRT	A3
Lead, Total	ND		mg/L	0.033	SW846 6010C	6/18/15	JPS	6/18/15 12:25	SRT	A3
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/17/15	MNP	6/17/15 12:59	MNP	A2
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/18/15	JPS	6/18/15 12:25	SRT	A3
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/18/15	JPS	6/18/15 12:25	SRT	A3
TCLP SEMI-VOLATILES										
mp-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
o-Cresol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
Hexachlorobutadiene	ND	2	ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
Hexachloroethane	ND	1	ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A

ALS Environmental
34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID: **2076025010** Date Collected: 6/10/2015 10:15 Matrix: Solid
Sample ID: **Low Volume D Comp** Date Received: 6/10/2015 19:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Pentachlorophenol	ND		ug/L	320	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
Pyridine	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	66.7		%	40 - 125	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
2-Fluorobiphenyl (S)	67.1		%	50 - 110	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
2-Fluorophenol (S)	45.4		%	20 - 75	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
Nitrobenzene-d5 (S)	69.8		%	40 - 110	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
Phenol-d5 (S)	27.6		%	13 - 49	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
Terphenyl-d14 (S)	79		%	50 - 122	SW846 8270D	6/19/15	PDK	6/20/15 15:21	GEC	A
TCLP PESTICIDES										
gamma-BHC	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:32	RWS	A
Chlordane	ND		ug/L	10.0	SW846 8081B	6/16/15	CAC	6/17/15 16:32	RWS	A
Endrin	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:32	RWS	A
Heptachlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:32	RWS	A
Heptachlor Epoxide	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:32	RWS	A
Methoxychlor	ND		ug/L	0.50	SW846 8081B	6/16/15	CAC	6/17/15 16:32	RWS	A
Toxaphene	ND		ug/L	20.0	SW846 8081B	6/16/15	CAC	6/17/15 16:32	RWS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyls (S)	62.1		%	30 - 140	SW846 8081B	6/16/15	CAC	6/17/15 16:32	RWS	A
Tetrachloro-m-xylene (S)	73.9		%	30 - 123	SW846 8081B	6/16/15	CAC	6/17/15 16:32	RWS	A
TCLP HERBICIDES										
2,4-D	ND		ug/L	4.0	SW846 8151A	6/17/15	PDK	6/18/15 22:44	KJH	A
2,4,5-TP	ND		ug/L	6.0	SW846 8151A	6/17/15	PDK	6/18/15 22:44	KJH	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4-Dichlorophenylacetic acid (S)	113		%	14 - 172	SW846 8151A	6/17/15	PDK	6/18/15 22:44	KJH	A
SUBCONTRACTED ANALYSIS										
Subcontracted Analysis	See attached				Subcontract			6/16/15 00:00	SUB	E

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2076025 Dominion Possum Point

Lab ID:	**2076025010**	Date Collected:	6/10/2015 10:15	Matrix:	Solid
Sample ID:	**Low Volume D Comp**	Date Received:	6/10/2015 19:50		

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	*Cntr*

Shannon Butler

Ms. Shannon Butler
Project Coordinator

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2076025002	1	ABC 2 Comp	SW846 8082A	Decachlorobiphenyls
The surrogate Decachlorobiphenyls for method SW846 8082A was outside of control limits. The % Recovery was reported as 187 and the control limits were 46 to 120. This result was reported at a dilution of 1.				
2076025005	6	ABC 4 Grab	SW846 8260B	Dibromofluoromethane
The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 201 and the control limits were 62 to 123. This result was reported at a dilution of 1.				
2076025005	7	ABC 4 Grab	SW846 8260B	1,2-Dichloroethane-d4
The surrogate 1,2-Dichloroethane-d4 for method SW846 8260B was outside of control limits. The % Recovery was reported as 182 and the control limits were 56 to 124. This result was reported at a dilution of 1.				
2076025005	8	ABC 4 Grab	SW846 8260B	Toluene-d8
The surrogate Toluene-d8 for method SW846 8260B was outside of control limits. The % Recovery was reported as 202 and the control limits were 59 to 131. This result was reported at a dilution of 1.				
2076025005	9	ABC 4 Grab	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 138 and the control limits were 51 to 128. This result was reported at a dilution of 1.				
2076025007	1	Low Volume C Grab	SW846 8260B	Methylene Chloride
The QC sample type LCSD for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 139 and the control limits were 68 to 133.				
2076025010	1	Low Volume D Comp	SW846 8270D	Hexachloroethane
The QC sample type MSD for method SW846 8270D was outside the control limits for the analyte Hexachloroethane. The RPD was reported as 30.1 and the upper control limit is 30.				
2076025010	2	Low Volume D Comp	SW846 8270D	Hexachlorobutadiene
The QC sample type MSD for method SW846 8270D was outside the control limits for the analyte Hexachlorobutadiene. The RPD was reported as 31.9 and the upper control limit is 30.				

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SB

Page 1 of 2

Courier:

Tracking #:

2076025

Co. Name: GAI CONSULTANTS, INC.

Contact (Report to): ED SCIULLI, PG

Phone: 412-476-2000

Address: 385 E. WATERFRONT DRIVE HOMESTEAD, PA 15120

Bill to (if different than Report to):

PO#:

DOMINION POSSUM POINT

Project Name/#: C150132.00

ALS Quote #:

TAT: ✓ Normal-Standard TAT is 10-12 business days. ✓ Rush-Subject to ALS approval and surcharges (WATER SAMPLE ONLY)

Date Required:

Approved By:

Email? ✓ -Y E.SCIULLI@GAICONSULTANTS.COM

Fax? -Y No.:

	Container Type	Container Size	Preservative
	C	32 oz	NONE
	C	40 mL	Na OM
	C	40 mL	Me OM
	C	4 oz	NONE
	C	4 oz	NONE
	C	8 oz	NONE
	A	4 oz	NONE

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	SVA (PART B.3) BS	METALS (PART B.1) PESTICIDES (PART B.2) TCLP (EXCEPT VOA) (PART A)	VOC'S (PART B.4)	VOC'S (PART B.4)	TCLP WASTE VOA (PART A)	AS 3 (SUB TO KELSO)	TRIBUTYLTIN (SUB TO KELSO)	VOC'S (PART B.4) EXTRA CONTAINER			
1	ABC 2 GRAB		6/9/15	11:00	G	SO			2	1	1			1			
2	ABC 2 COMP			11:15	C			2				1	1				
3	ABC 3 GRAB			9:00	G				2	1	1			1			
4	ABC 3 COMP			9:15	C			2				1	1				
5	ABC 4 GRAB			12:45	G				2	1	1			1			
6	ABC 4 COMP			13:00	C			2				1	1				
7	☆ SEE POSSUM POINT FULL LIST PARAMETERS FOR POND D #2 SW- SURFACE WATER									ON SEPARATE COC							
8	~~[illegible]~~ ☆ RUSH TAT		~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~			~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~			

(~~[illegible]~~ - ATTACHED)

Receipt (completed by Sample Receiving)

Performed by: LMG

Cooler Temp: 1

Therm. ID: 191

No. of Coolers:

Notes:

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
	Y	Y	Y	Y	
	N	N	N	N	N
	Y	Y	Y	Y	Y

	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
	Y	Y	Y	Y	Y
	N	N	N	N	N
	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): EUGENE COONEY JR

Project Comments: RWL 6/11 137

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	GAI CONSULTANTS	6/9/15	18:00	2	[illegible]	6/10	1103
3	[illegible]	6/10/15	1700	4	[illegible]	6/10	1905
5	[illegible]	6/10	1950	6	SFS	6/10	1950
7				8			
9				10			

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ Other:

EDDs Required? ☐ If yes, format type:

SDWA Forms? ⇨ yes ☐ yes ☐ yes ☐ yes ☐

State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐ Other

DOD Criteria Required?

ALS FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite

**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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F.717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

SB

Courier:
Tracking #:

025

Co. Name: GAI CONSULTANTS, INC.
Contact (Report to): ED SCIULLI, PG
Phone: 412-476-2000
Address: 385 E. WATERFRONT DR. HOMESTEAD, PA 15120

Bill to (if different than Report to): DOMINION POSSUM POINT
PO#:
Project Name/#: C150132.00
ALS Quote #:
TAT: ✓ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALS approval and surcharges.
Date Required:
Approved By:
Email? ✓ -Y E.SCIULLI@GAICONSULTANTS.COM
Fax? ☐ -Y No.:

***Container Type						C	C	C	C	C	C	A			
***Container Size						32 oz	40 mL	40 mL	4 oz	4 oz	8 oz	4 oz			
*** Preservative						NONE	NaOH	MeOH	NONE	NONE	NONE	NONE			
ANALYSES/METHOD REQUESTED						METALS (8.1) BVA (8.3 & 8.5) AEST/PCB'S (8.2) MISC (8.6) TCLP EXCEPT VOA (PART A)	VOC'S (PART 8.4)	VOC'S (PART 8.4)	TCLP WASTE VOA (PART A)	AS 3 (SUB TO KELSO)	TRIBUTYLIN (SUB TO KELSO)	VOC'S (8.4) EXTRA CONTAINER			
Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Enter Number of Containers Per Analysis									
1 LOW VOLUME C GRAB		6/10/15	10:00	G	SO		2	1	1			1			
2 LOW VOLUME C COMP.		↓	10:05	C	↓	2				1	1				
3 LOW VOLUME D GRAB		↓	10:10	G	↓		2	1	1			1			
4 LOW VOLUME D COMP.		↓	10:15	C	↓	2				1	1				
5															
6															
7															
8															

Receipt Information (completed by Sample Receiving)
Performed by: [illegible]
Cooler Temp: 1
Therm. ID: 291
No. of Coolers:
Notes:

Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
Y N	Y N	Y N	Y N	
Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
Y N	Y N	Y N	Y N	Y N

SAMPLED BY (Please Print): EUGENE COONEY JR
Project Comments: Rmk 6/11 137

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature] GAI CONSULTANTS	6/10/15	11:00	2 [signature] ALS	6/10/15	1100
3 [signature]	6/10/15	1700	4 [signature]	6/10	1705
5 [signature]	6/10	1950	6 SFS	6/10	1950
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ (other)
EDDs Required? ☐ If yes, format type:
SDWA Forms? ⇨ yes ☐ yes ☐ yes ☐ yes ☐
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐ Other
DOD Criteria Required?

ALS FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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COC #: 1 of 1
ALSI Quote #:

Client Name: ALS Environmental
Address: 34 Dogwood Lane, Middletown, PA 17057
Contact: Vicki Forney
Phone#: (717) 944-5541
Project Name/#:
Bill To: ALS Environmental
TAT: [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? [x] -Y almdt.subcontract@ALSGlobal.com
Fax? [ ] -Y No.: _____

Container Type: C
Container Size: 4 oz
Preservative: None

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Trivalent Arsenic
2076025 002	6/9/15	1115	G	SO	1
2076025 004	6/9/15	0915	G	SO	1
2076025 006	6/9/15	1300	G	SO	1
2076025 008	6/9/15	1005	G	SO	1
2076025 010	6/9/15	1015	G	SO	1

Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Therm. ID: _____
No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(if present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #: _____

Sample/COC Comments
Subcontract: Brooks Rand Labs
3958 6th Avenue NW
Seattle, WA 98107

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

LOGGED BY(signature): DATE: TIME:
REVIEWED BY(signature): DATE: TIME:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	6/15/15	1545	2		
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] USACE [ ]
Special Processing: USACE [ ] Navy [ ] [ ]
State Samples Collected In: [ ] NY [ ] NJ [ ] PA [ ] NC [ ] other
Reportable to PADEP? Yes [ ] PWSID # _____
Sample Disposal: Lab [ ] Special [ ]
EDDs: Format Type- _____

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 1 of 1
ALSI Quote #:

Client Name: ALS Environmental
Address: 34 Dogwood Lane, Middletown, PA 17057
Contact: Vicki Forney
Phone#: (717) 944-5541
Project Name/#:
Bill To: ALS Environmental

TAT: [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? [x] -Y almdt.subcontract@ALSGlobal.com
Fax? [ ] -Y No.: _____

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Tributyltin
Container Type					C
Container Size					8 oz
Preservative					None
2076025 002	6/9/15	1115	G	SO	1
2076025 004	6/9/15	0915	G	SO	1
2076025 006	6/9/15	1300	G	SO	1
2076025 008	6/9/15	1005	G	SO	1
2076025 010	6/9/15	1015	G	SO	1

ANALYSES/METHOD REQUESTED — Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Therm. ID: _____
No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(if present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. In Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #: _____

Sample/COC Comments
Subcontract: ALS-Kelso

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:

LOGGED BY(signature): DATE TIME
REVIEWED BY(signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	6/17/15	1245	2		
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] USACE [ ]
Special Processing: USACE [ ] Navy [ ]
State Samples Collected In: [ ] NY [ ] NJ [ ] PA [ ] NC [ ] other
Reportable to PADEP? Yes [ ]
PWSID # _____
Sample Disposal: Lab [ ] Special [ ]
EDDs: Format Type- _____

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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Rev 5/05

ALS Environmental
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July 05, 2015

Analytical Report for Service Request No: K1506480

Vicki Forney
ALS Environmental
34 Dogwood Lane
Middletown, PA 17057

RE: 2076025

Dear Vicki,

Enclosed are the results of the sample(s) submitted to our laboratory June 16, 2015
For your reference, these analyses have been assigned our service request number **K1506480.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3364. You may also contact me via email at howard.holmes@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Howard Holmes
Project Manager

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RIGHT SOLUTIONS RIGHT PARTNER

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
  DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
  DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
  DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L14-51
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
ISO 17025	http://www.pjlabs.com/	L14-50
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	03016
Maine DHS	Not available	WA01276
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

ALS Environmental

Chain of Custody

ALS Environmental—Kelso Laboratory
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Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: K1506480 | 1 of 1
ALSI Quote #:

Client Name: ALS Environmental
Address: 34 Dogwood Lane, Middletown, PA 17057
Contact: Vicki Forney
Phone#: (717) 944-5541
Project Name/#:
Bill To: ALS Environmental
TAT: [X] Normal-Standard TAT is 10-12 business days [ ] Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? [X] Y: almdt.subcontract@ALSGlobal.com
Fax? [ ] Y No.

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Tributyltin									Sample/COC Comments
Container Type			C											
Container Size			8 oz											
Preservative			None											
					Enter Number of Containers Per Sample or Field Results Below.									
2076025 002	6/9/15	1115	G	SO	1									Subcontract: ALS-Kelso
2076025 004	6/9/15	0915	G	SO	1									
2076025 006	6/9/15	1300	G	SO	1									
2076025 008	6/9/15	1005	G	SO	1									
2076025 010	6/9/15	1015	G	SO	1									

Receipt Information (completed by Receiving Lab)
Cooler Temp: _____ Therm. ID: _____
No. of Coolers: _____

	Y	N	Initial
Custody Seals Present?			
(If present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. In Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #: _____

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: _____

Project Comments:
LOGGED BY (signature): DATE TIME
REVIEWED BY (signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	6/16/15	1145	2 ALS	6/16/15	0915
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ USACE ☐
Special Processing: USACE ☐ Navy ☐ ☐
State Samples Collected In: ☐ NY ☐ NJ ☐ PA ☐ NC ☐ other
Reportable to PADEP? Yes ☐ PWSID #
Sample Disposal: Lab ☐ Special ☐
EDDs: Format Type:

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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PC HH

Cooler Receipt and Preservation Form

Client / Project: ALS Middletown Service Request K15 6480

Received: 6/16/15 Opened: 6/16/15 By: UK Unloaded: 6/16/15 By: UK

1. Samples were received via? *Mail* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____

   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID (NA)	Tracking Number NA	Filed
-0.4	-0.4	2.1	2.1	0	353		7738 3605 4133	

4. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
5. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
6. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
12. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

Page ____ *of* ____

ALS Environmental

General Chemistry

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project:	2076025	**Date Collected:**	06/9/15
Sample Matrix:	Soil	**Date Received:**	06/16/15
Analysis Method:	160.3 Modified	**Units:**	Percent
Prep Method:	None	**Basis:**	NA

Solids, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
2076025 002	K1506480-001	**63.5**	-	1	06/17/15 15:55	
2076025 004	K1506480-002	**60.7**	-	1	06/17/15 15:55	
2076025 006	K1506480-003	**63.0**	-	1	06/17/15 15:55	
2076025 008	K1506480-004	**34.4**	-	1	06/17/15 15:55	
2076025 010	K1506480-005	**19.6**	-	1	06/17/15 15:55	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project	2076025	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Analysis Method:	160.3 Modified	**Units:**	Percent
Prep Method:	None	**Basis:**	NA

Replicate Sample Summary
Solids, Total

Sample Name:	Lab Code:	MRL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
Batch QC	K1505572-050DUP	-	60.6	60.7	60.7	<1	20	06/17/15
Batch QC	K1506492-001DUP	-	88.9	89.3	89.1	<1	20	06/17/15

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Superset Reference:15-0000336049 rev 00

ALS Environmental

Butyltins (as cation)

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project:	2076025	**Date Collected:**	06/09/2015
Sample Matrix:	Soil	**Date Received:**	06/16/2015

Butyltins (as cation)

Sample Name:	2076025 002	**Units:**	ug/Kg
Lab Code:	K1506480-001	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	1.6	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	67	10-120	06/24/15	Acceptable

Comments:

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project:	2076025	**Date Collected:**	06/09/2015
Sample Matrix:	Soil	**Date Received:**	06/16/2015

Butyltins (as cation)

Sample Name:	2076025 004	**Units:**	ug/Kg
Lab Code:	K1506480-002	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	1.7	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	76	10-120	06/24/15	Acceptable

Comments:

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project:	2076025	**Date Collected:**	06/09/2015
Sample Matrix:	Soil	**Date Received:**	06/16/2015

Butyltins (as cation)

Sample Name:	2076025 006	**Units:**	ug/Kg
Lab Code:	K1506480-003	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	1.6	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	63	10-120	06/24/15	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project:	2076025	**Date Collected:**	06/09/2015
Sample Matrix:	Soil	**Date Received:**	06/16/2015

Butyltins (as cation)

Sample Name:	2076025 008	**Units:**	ug/Kg
Lab Code:	K1506480-004	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	2.9	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	88	10-120	06/24/15	Acceptable

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project:	2076025	**Date Collected:**	06/09/2015
Sample Matrix:	Soil	**Date Received:**	06/16/2015

Butyltins (as cation)

Sample Name:	2076025 010	**Units:**	ug/Kg
Lab Code:	K1506480-005	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	5.2	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	80	10-120	06/24/15	Acceptable

Comments:

Analytical Results

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project:	2076025	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Butyltins (as cation)

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1505433-5	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tri-n-butyltin Cation	ND	U	0.98	1	06/18/15	06/24/15	KWG1505433	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	56	10-120	06/24/15	Acceptable

Comments:

Client: ALS Environmental - US
Project: 2076025
Sample Matrix: Sediment

Service Request: K1506480

Surrogate Recovery Summary
Butyltins (as cation)

Extraction Method: METHOD
Analysis Method: Krone

Units: Percent
Level: Low

Sample Name	Lab Code	Sur1
Batch QC	K1506354-001	75
2076025 002	K1506480-001	67
2076025 004	K1506480-002	76
2076025 006	K1506480-003	63
2076025 008	K1506480-004	88
2076025 010	K1506480-005	80
Batch QCDUP	KWG1505433-1	73
Method Blank	KWG1505433-5	56
Batch QCMS	KWG1505433-2	77
Batch QCDMS	KWG1505433-3	70
Lab Control Sample	KWG1505433-4	76

Surrogate Recovery Control Limits (%)

Sur1 = Tri-n-propyltin 10-120

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project:	2076025	**Date Extracted:**	06/18/2015
Sample Matrix:	Sediment	**Date Analyzed:**	06/24/2015

Matrix Spike/Duplicate Matrix Spike Summary
Butyltins (as cation)

Sample Name:	Batch QC	**Units:**	ug/Kg
Lab Code:	K1506354-001	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone	**Extraction Lot:**	KWG1505433

		Batch QCMS KWG1505433-2 Matrix Spike			Batch QCDMS KWG1505433-3 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tri-n-butyltin Cation	ND	20.8	30.9	67	21.7	30.9	70	10-115	4	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	K1506480
Project:	2076025	**Date Extracted:**	06/18/2015
Sample Matrix:	Sediment	**Date Analyzed:**	06/24/2015

Duplicate Sample Summary
Butyltins (as cation)

Sample Name:	Batch QC	**Units:**	ug/Kg
Lab Code:	K1506354-001	**Basis:**	Dry
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	Krone	**Extraction Lot:**	KWG1505433

Analyte Name	MRL	Sample Result	Batch QCDUP KWG1505433-1 Duplicate Sample Result	Average	Relative Percent Difference	RPD Limit
Tri-n-butyltin Cation	1.4	ND	ND	ND	-	40

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: ALS Environmental - US
Project: 2076025
Sample Matrix: Sediment

Service Request: K1506480
Date Extracted: 06/18/2015
Date Analyzed: 06/24/2015

Lab Control Spike Summary
Butyltins (as cation)

Extraction Method: METHOD
Analysis Method: Krone

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1505433

Analyte Name	Lab Control Sample KWG1505433-4 Lab Control Spike Result	Spike Amount	%Rec	%Rec Limits
Tri-n-butyltin Cation	16.8	22.2	76	10-122

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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MEANINGFUL METALS DATA®

June 30, 2015

ALS - Middletown
ATTN: Vicki Forney
34 Dogwood Lane
Middletown PA 17057
vicki.forney@alsglobal.com

RE: Project ALS-MD1501 Client Project: 2076025

Dear Vicki Forney,

This report contains results for the 5 samples received by Brooks Rand Labs (BRL) on June 16, 2015. The samples were logged-in for the contracted analyses according to the chain-of-custody form(s). The samples were received, prepared, analyzed, and stored according to BRL SOPs and EPA methodology.

The matrix spike/matrix spike duplicate (MS/MSD) set was spiked at a concentration much less than the native sample and were not analyzed. A post-preparation spike (PS) was analyzed and recovered within acceptance criteria.

The results were method blank corrected as described in the calculations section of the relevant BRL SOP(s) and may have been evaluated using reporting limits that have been adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details. All additional data is reported without qualification and all other associated quality control sample results meet the acceptance criteria.

BRL, an accredited laboratory, certifies that the reported results of all analyses for which BRL is NELAP accredited meet all NELAP requirements. For more details, please see the *Report Information* page in your report. Please feel free to contact me if you have any questions regarding this report.

Sincerely,

Lydia Greaves

Lydia Greaves
Project Manager
Lydia@brooksrand.com

Report Information

Laboratory Accreditation

BRL is accredited by the *National Environmental Laboratory Accreditation Program* (NELAP) through the State of Florida Department of Health, Bureau of Laboratories (E87982) and is certified to perform many environmental analyses. BRL is also certified by many other states to perform environmental analyses. For a current list of our accreditations/certifications, please visit our website at <http://www.brooksrand.com/about/accreditations-certifications/>. Results reported relate only to the samples listed in the report.

Field Quality Control Samples

Please be notified that certain EPA methods require the collection of field quality control samples of an appropriate type and frequency; failure to do so is considered a deviation from some methods and for compliance purposes should only be done with the approval of regulatory authorities. Please see the specific EPA methods for details regarding required field quality control samples.

Common Abbreviations

BLK	method blank	**MS**	matrix spike
BRL	Brooks Rand Labs	**MSD**	matrix spike duplicate
BS	laboratory fortified blank	**ND**	non-detect
CAL	calibration standard	**NR**	non-reportable
CCB	continuing calibration blank	**N/C**	not calculated
CCV	continuing calibration verification	**PS**	post preparation spike
COC	chain of custody record	**REC**	percent recovery
D	dissolved fraction	**RPD**	relative percent difference
DUP	duplicate	**RSD**	relative standard deviation
IBL	instrument blank	**SCV**	secondary calibration verification
ICV	initial calibration verification	**SOP**	standard operating procedure
MDL	method detection limit	**SRM**	standard reference material
MRL	method reporting limit	**T**	total recoverable fraction

Definition of Data Qualifiers

(Effective 9/23/09)

B	Detected by the instrument, the result is > the MDL but ≤ the MRL. Result is reported and considered an estimate.
E	An estimated value due to the presence of interferences. A full explanation is presented in the narrative.
H	Holding time and/or preservation requirements not met. Result is estimated.
J	Estimated value. A full explanation is presented in the narrative.
J-M	Duplicate precision (RPD) for associated QC sample was not within acceptance criteria. Result is estimated.
J-N	Spike recovery for associated QC sample was not within acceptance criteria. Result is estimated.
M	Duplicate precision (RPD) was not within acceptance criteria. Result is estimated.
N	Spike recovery was not within acceptance criteria. Result is estimated.
R	Rejected, unusable value. A full explanation is presented in the narrative.
U	Result is ≤ the MDL or client requested reporting limit (CRRL). Result reported as the MDL or CRRL.
X	Result is not BLK-corrected and is within 10x the absolute value of the highest detectable BLK in the batch. Result is estimated.

These qualifiers are based on those previously utilized by Brooks Rand Labs, those found in the EPA SOW ILM03.0, Exhibit B, Section III, pg. B-18, and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review; USEPA; January 2010. These supersede all previous qualifiers ever employed by BRL.

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Sample Information

Sample	Lab ID	Report Matrix	Type	Sampled	Received
2076025 002	1525011-01	Soil	Sample	06/09/2015	06/16/2015
2076025 004	1525011-02	Soil	Sample	06/09/2015	06/16/2015
2076025 006	1525011-03	Soil	Sample	06/09/2015	06/16/2015
2076025 008	1525011-04	Soil	Sample	06/09/2015	06/16/2015
2076025 010	1525011-05	Soil	Sample	06/09/2015	06/16/2015

Batch Summary

Analyte	Lab Matrix	Method	Prepared	Analyzed	Batch	Sequence
%TS	Soil/Sediment	SM 2540G	06/24/2015	06/28/2015	B150975	N/A
As(III)	Soil/Sediment	EPA 1632	06/24/2015	06/24/2015	B150974	1500505

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
2076025 002										
1525011-01	%TS	Soil	NA	65.61		0.36	1.20	%	B150975	N/A
1525011-01	As(III)	Soil	dry	15.0		1.96	5.89	mg/kg	B150974	1500505
2076025 004										
1525011-02	%TS	Soil	NA	65.34		0.36	1.20	%	B150975	N/A
1525011-02	As(III)	Soil	dry	2.33		0.498	1.49	mg/kg	B150974	1500505
2076025 006										
1525011-03	%TS	Soil	NA	65.93		0.36	1.20	%	B150975	N/A
1525011-03	As(III)	Soil	dry	3.01		0.230	0.691	mg/kg	B150974	1500505
2076025 008										
1525011-04	%TS	Soil	NA	43.73		0.36	1.20	%	B150975	N/A
1525011-04	As(III)	Soil	dry	1.78		0.346	1.04	mg/kg	B150974	1500505
2076025 010										
1525011-05	%TS	Soil	NA	28.38		0.36	1.20	%	B150975	N/A
1525011-05	As(III)	Soil	dry	0.877		0.125	0.376	mg/kg	B150974	1500505

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Accuracy & Precision Summary

Batch: B150974
Lab Matrix: Soil/Sediment
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B150974-BS1	**Laboratory Fortified Blank (1523014)**						
	As(III)		1.204	1.171	mg/kg	97% 50-150	
B150974-BS2	**Laboratory Fortified Blank (1523029)**						
	As(III)		1.204	1.128	mg/kg	94% 50-150	
B150974-SRM1	**Certified Reference Material (1505010, PACS-3)**						
	As(III)		4.752	5.887	mg/kg	124% 50-150	
B150974-DUP1	**Duplicate (1525011-01)**						
	As(III)	14.95		13.00	mg/kg		14% 35
B150974-PS1	**Post Spike (1525011-01)**						
	As(III)	14.95	24.62	39.43	mg/kg	99% 65-135	

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Accuracy & Precision Summary

Batch: B150975
Lab Matrix: Soil/Sediment
Method: SM 2540G

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B150975-DUP1	**Duplicate (1525011-01)**						
	%TS	65.61		65.78	%		0.3% 15

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Project ID: ALS-MD1501
PM: Lydia Greaves

BRL Report 1525011
Client PM: Vicki Forney

Method Blanks & Reporting Limits

Batch: B150974
Matrix: Soil/Sediment
Method: EPA 1632
Analyte: As(III)

Sample	Result	Units
B150974-BLK1	0.051	mg/kg wet
B150974-BLK2	0.046	mg/kg wet
B150974-BLK3	0.047	mg/kg wet
B150974-BLK4	0.049	mg/kg wet

Average: 0.048 **Standard Deviation:** 0.002 **MDL:** 0.040
Limit: 0.080 **Limit:** 0.027 **MRL:** 0.120

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Method Blanks & Reporting Limits

Batch: B150975
Matrix: Soil/Sediment
Method: SM 2540G
Analyte: %TS

Sample	Result	Units
B150975-BLK1	0.00	%
B150975-BLK2	0.00	%
	Average: 0.00	
	Limit: 1.20	

MDL: 0.36
MRL: 1.20

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Sample Containers

Lab ID: 1525011-01
Sample: 2076025 002
Report Matrix: Soil
Sample Type: Sample
Collected: 06/09/2015
Received: 06/16/2015

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	8oz jar	not provided	none	none		cooler

Lab ID: 1525011-02
Sample: 2076025 004
Report Matrix: Soil
Sample Type: Sample
Collected: 06/09/2015
Received: 06/16/2015

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	8oz jar	not provided	none	none		cooler

Lab ID: 1525011-03
Sample: 2076025 006
Report Matrix: Soil
Sample Type: Sample
Collected: 06/09/2015
Received: 06/16/2015

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	8oz jar	not provided	none	none		cooler

Lab ID: 1525011-04
Sample: 2076025 008
Report Matrix: Soil
Sample Type: Sample
Collected: 06/09/2015
Received: 06/16/2015

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	8oz jar	not provided	none	none		cooler

Lab ID: 1525011-05
Sample: 2076025 010
Report Matrix: Soil
Sample Type: Sample
Collected: 06/09/2015
Received: 06/16/2015

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	8oz jar	not provided	none	none		cooler

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Shipping Containers

cooler
Received: June 16, 2015 9:05
Tracking No: 773836255661 via FedEx
Coolant Type: Ice
Temperature: 0.1 °C

Description: cooler
Damaged in transit? No
Returned to client? No

Custody seals present? No
Custody seals intact? No
COC present? Yes

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Analytical Laboratory Services, Inc.
Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 1 of 1 — BRL Report 1525014
ALSI Quote #: 1

Client Name: ALS Environmental
Address: 34 Dogwood Lane, Middletown, PA 17057
Contact: Vicki Forney
Phone#: (717) 944-5541
Project Name/#:
Bill To: ALS Environmental

TAT: [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALSI approval and surcharges.
Date Required: _____ Approved By: _____
Email? [x] -Y almdt.subcontract@ALSGlobal.com
Fax? [ ] -Y No.:

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Trivalent Arsenic
Container Type					C
Container Size					4 oz
Preservative					None
2076025 002	6/9/15	1115	G	SO	1
2076025 004	6/9/15	0915	G	SO	1
2076025 006	6/9/15	1300	G	SO	1
2076025 008	6/9/15	1005	G	SO	1
2076025 010	6/9/15	1015	G	SO	1

Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (completed by Receiving Lab)
Cooler Temp: ____ Therm. ID: ____
No. of Coolers: ____

	Y	N	Initial
Custody Seals Present?			
(if present) Seals Intact?			
Received on Ice?			
COC/Labels Complete/Accurate?			
Cont. in Good Cond.?			
Correct Containers?			
Correct Sample Volumes?			
Correct Preservation?			
Headspace/Volatiles?			

Courier/Tracking #: ____

Sample/COC Comments
Subcontract: Brooks Rand Labs
3958 6th Avenue NW
Seattle, WA 98107

ALSI Field Services: ☐Pickup ☐Labor ☐Composite Sampling ☐Rental Equipment ☐Other: ____

Project Comments:
LOGGED BY(signature): Date Time
REVIEWED BY(signature): Date Time

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	6/15/15	1545	2 BRL	6/16/15	0955
3			4		
5			6		
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ USACE ☐
Special Processing: USACE ☐ Navy ☐
State Samples Collected In: ☐ NY ☐ NJ ☐ PA ☐ NC ☐ other
Reportable to PADEP? Yes ☐ PWSID # ____
Sample Disposal: Lab ☐ Special ☐
EDDs: Format Type- ____

* G=Grab; C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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