



February 29, 2016

Ms. Shelly Lam, LPG  
On-Scene Coordinator  
United States Environmental Protection Agency, Region 5  
Emergency Response Branch #1  
2525 N. Shadeland Avenue, Suite 100  
Indianapolis, IN 46219

**RE: Excavation #1 Additional Excavation Work Plan  
Kokomo Dump Site  
1130 South Dixon Road  
Kokomo, Indiana 46901  
U.S. EPA Site Spill ID #C564  
SESCO Project #4108**

Dear Ms. Lam:

SESCO is pleased to submit this *Excavation #1 Additional Excavation Work Plan* for your review for the above-referenced facility (hereafter referred to as the “Site”). The purpose of this plan is provide the United States Environmental Protection Agency (U.S. EPA) results from the recent soil borings advanced on February 4, 2016, and to seek approval for the excavation and disposal of additional soil.

### **Background**

A document titled *Additional Soil Borings-Excavation #1 Work Plan* was submitted to the U.S. EPA on January 25, 2016. The work plan was revised and re-submitted to the U.S. EPA on January 29, 2016, and was approved on January 31, 2016. The goal of the soil borings was to delineate the extent of benzo(a)pyrene impacts in soil.

### **Additional Soil Borings**

SESCO and Midway Services, Inc. mobilized to the Site on February 4, 2016, to advance six (6) soil borings (KD-EXC-1-10 through KD-EXC-1-15), as shown on **Figure 1**. The borings were advanced in “step outs” beginning 20 feet to the north of the previous Excavation #1 in a series of two (2) borings per “step-out”. The borings were advanced with a direct-push drilling rig to a depth of two (2) feet below ground surface (bgs) using procedures set forth in Section 3.3.6 of the approved *Work Plan*. One (1) soil sample was collected from each boring at one (1) foot bgs. Each soil sample was field screened with a flame ionization detector (FID) to detect the presence of Semi-Volatile Organic Compounds (SVOCs). No SVOCs above background concentrations were detected. Soil samples, including a duplicate and matrix spike/matrix spike duplicate sample (MS/MSD), were collected from soil borings KD-EXC-1-10 and KD-EXC-1-11 and were

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#### **SESCO Group**

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submitted to Pace Analytical Services, Inc. (Pace) in Indianapolis, Indiana for benzo(a)pyrene analysis. In addition, an equipment blank of water was collected from a properly decontaminated drilling rod and was submitted for benzo(a)pyrene analysis. The analytical results indicate that the soil samples did not contain SVOCs at concentrations exceeding the Indiana Department of Environmental Management (IDEM) Remediation Closure Guide (RCG) Industrial Direct Contact Screening Level (IDCSL), which is the approved soil cleanup criteria per the approved *Work Plan*. The equipment blank water sample did not contain a detectable benzo(a)pyrene concentration. The results are depicted on **Figure 1** and are summarized in **Table 1**. Laboratory analytical results and chain of custody documentation are included in **Attachment A**. Upon receipt of the Level IV data package from the laboratory, the analytical data will undergo third party data validation.

### **Additional Soil Excavation & Disposal**

As stated in the *Additional Soil Borings-Excavation #1 Work Plan*, the data from the additional soil borings are being used as confirmation of the extent of benzo(a)pyrene impacts for the additional excavation work. The analytical results from soil samples collected from soil borings KD-EXC-1-10 and KD-EXC-1-11 indicate soil impacts have been successfully delineated to below the IDEM RCG IDCSLs. SESCO proposes to excavate an area of soil located north of the previous Excavation #1, to the extent of soil borings KD-EXC-1-10 and KD-EXC-1-11. As shown on **Figure 2**, the area is approximately 20 feet long by 20 feet wide. Soil will be excavated from the ground surface to a depth of two (2) feet bgs.

Soil will be excavated, loaded directly into tri-axle dump trucks, transported to, and disposed as a non-hazardous waste at Oak Ridge Landfill, 2905 Morgan Hill Road, Logansport, Indiana, 46947. No additional soil sampling will be completed during the excavation activities. The excavation will be backfilled with topsoil from the same source that was utilized during previous excavation work.

### **Reporting Activities**

The additional excavation and disposal work is anticipated to be the final mobilization to conduct on-Site work. Details of the excavation work will be included in a Final Report, which will summarize all work completed.

If you have any questions regarding this work plan, please contact either of the following at (317) 347-9590.

Sincerely,  
**SESCO Group**



Bradley W. Adams, **CHMM #13162**  
Project Manager



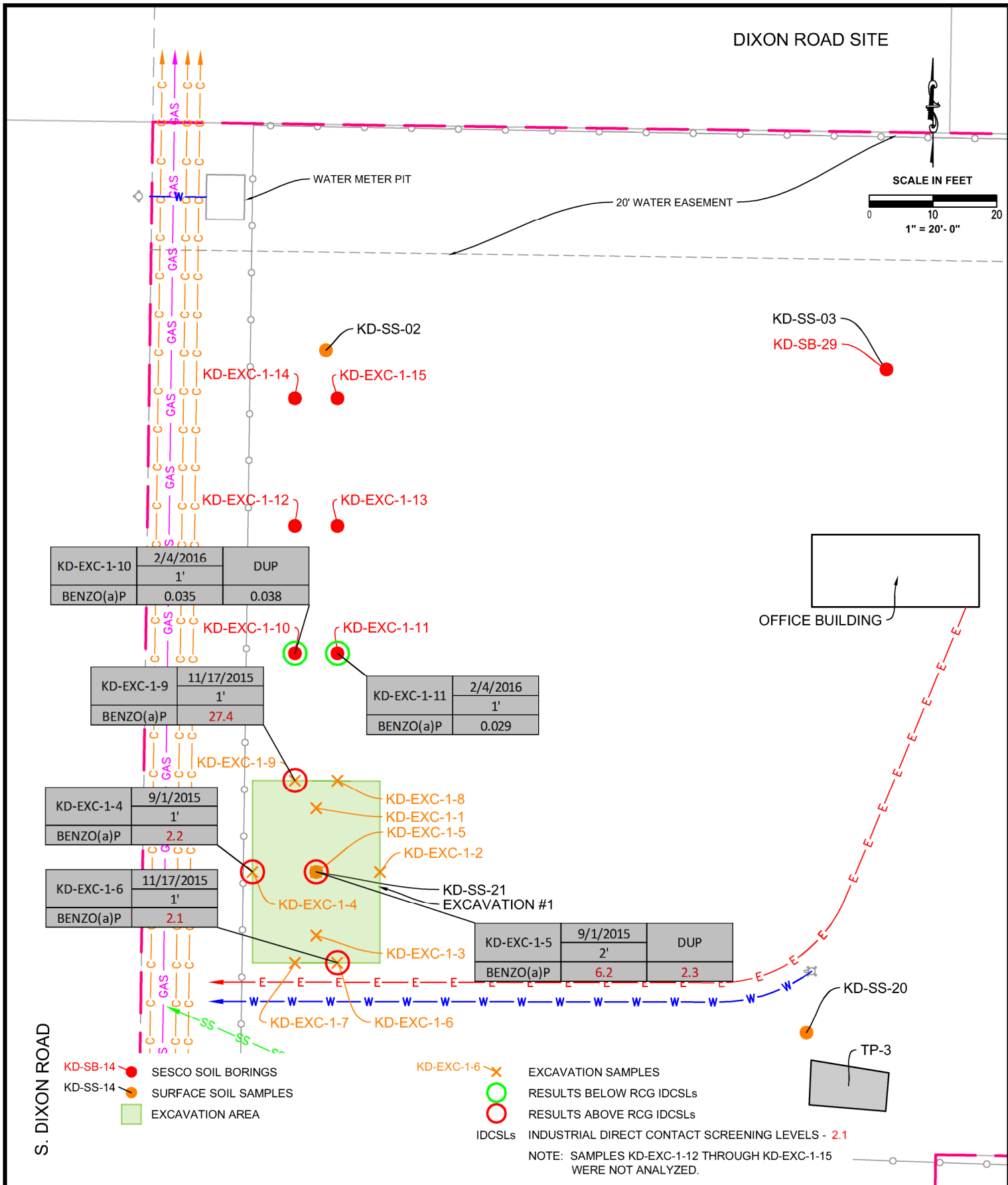
William D. Pickard, **LPG #2141**  
Senior Project Manager

**CC:** Mr. David L. Guevara, Ph.D., Taft Stettinius & Hollister LLP  
Project File

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| Figure 2 | Proposed Excavation Area                |

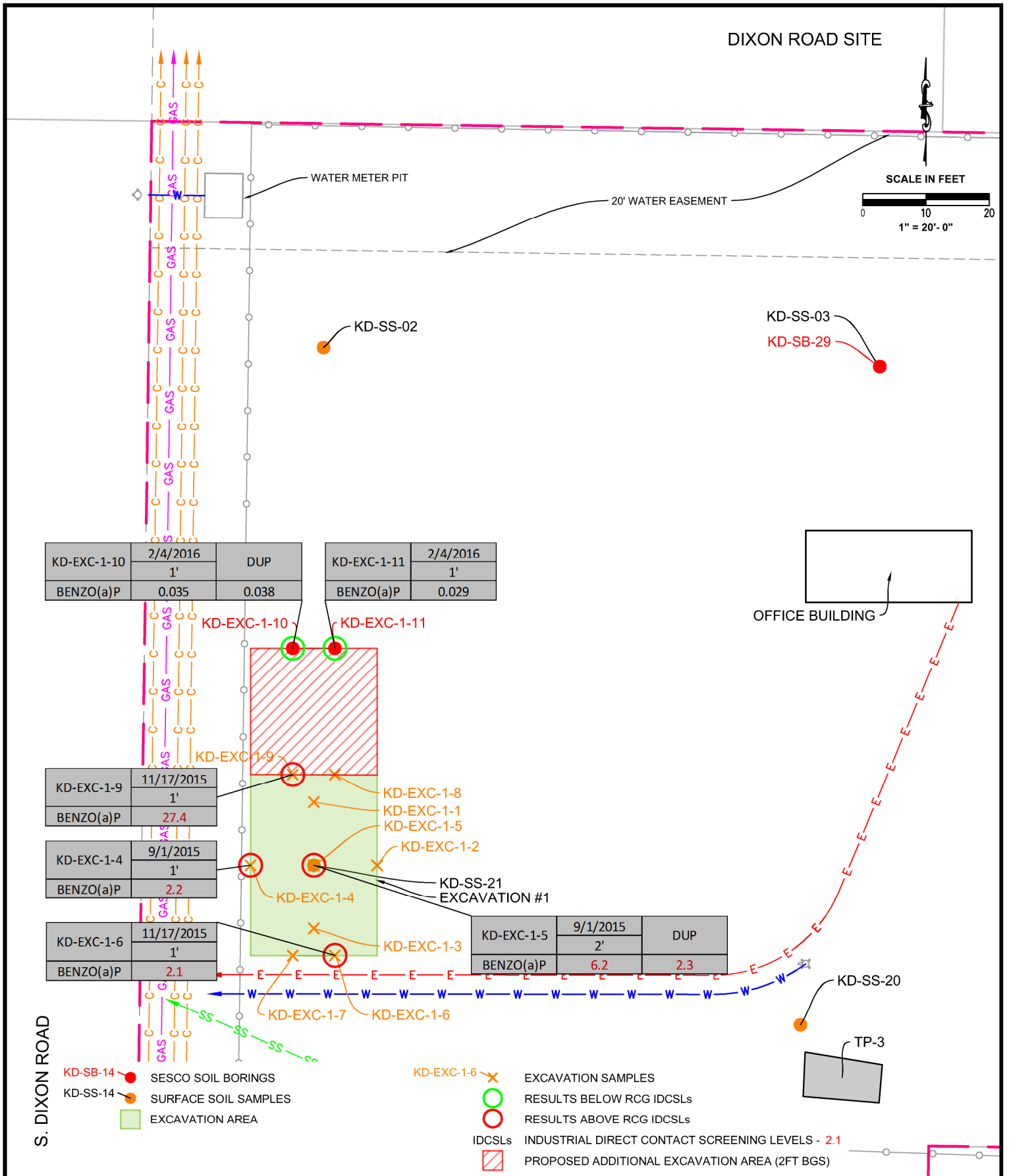
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EXCAVATION #1 SOIL CONFIRMATION RESULTS	
KOKOMO DUMP SITE 1130 S. DIXON ROAD KOKOMO, INDIANA	
PROJECT # 4108	FIGURE # 1

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PROPOSED EXCAVATION AREA	
KOKOMO DUMP SITE 1130 S. DIXON ROAD KOKOMO, INDIANA	
PROJECT # 4108	FIGURE # 2

**Table 1**

Summary of Semi-Volatile Organic Compounds in Soil

Table 1  
Summary of Semi-Volatile Organic Compounds in Soil  
Kokomo Dump Site  
1130 South Dixon Road  
Kokomo, Indiana 46901  
Site Spill Identification Number C564

Sample ID	Date	Sample Depth (feet)	Units in mg/kg (ppm)														
			Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g, h, i)perylene	Bis(2-ethylhexyl)phthalate	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
IDEM RCG Excavation Direct Contact Screening Levels			55,000	100,000	1,300	130	1,300	13,000	NE	20,000	100,000	130	37,000	37,000	1,300	NE	28,000
IDEM RCG Industrial Direct Contact Screening Levels			33,000	100,000	21	2.1	21	210	NE	1,200	2,100	2.1	22,000	22,000	21	NE	17,000
IDEM RCG Residential Direct Contact Screening Levels			4,800	24,000	2.1	0.21	2.1	21	NE	490	210	0.21	3,200	3,200	2.1	NE	2,400
KD-SB-1	8/19/2011	16-16.5	ND	ND	<2.23	<2.23	<2.23	<2.23	<2.23	<2.23	<2.20	<2.23	<2.23	ND	<2.23	1.19	<2.23
KD-SB-2	8/19/2011	11-12	ND	ND	0.732	<2.86	<2.86	<2.86	0.523	3.83	0.757	<2.86	1.9	ND	<2.86	2.32	1.62
KD-SB-6	8/19/2011	3-4	ND	ND	<1.41	<1.41	<1.41	<1.41	<1.41	<1.41	<1.40	<1.41	<1.41	ND	<1.41	<1.41	<1.41
KD-SB-9 (SB-6 duplicate)	8/19/2011	3-4	ND	ND	<1.44	<1.44	<1.44	<1.44	<1.44	<1.44	<1.42	<1.44	<1.44	ND	<1.44	<1.44	<1.44
KD-Disp-Soil-01	8/19/2011	-	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
KD-Drum-2A	2/25/2014	0-1	ND	ND	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39	<0.20	0.40	ND	<0.39	<0.39	<0.39
KD-Drum-2B	2/25/2014	1	<17.7	<17.7	33.6	29.8	26.5	25.2	<17.7	<17.7	31.5	<9.1	72.6	<17.7	<17.7	39.5	57.5
KD-Drum-3	2/25/2014	0-1	<0.41	<0.41	<0.41	<0.21	<0.41	<0.41	<0.41	<0.41	<0.41	<0.21	<0.41	<0.41	<0.41	<0.41	<0.41
KD-SB-10	4/15/2014	12-14	<0.79	<0.79	<0.79	<0.41	<0.79	<0.79	<0.79	<0.79	<0.79	<0.41	<0.79	<0.79	<0.79	<0.79	<0.79
KD-SB-10	4/15/2014	17-19	<0.74	<0.74	<0.74	<0.38	<0.74	<0.74	<0.74	<0.74	<0.74	<0.38	<0.74	<0.74	<0.74	<0.74	<0.74
KD-SB-11	4/16/2014	4-6	<0.74	<0.74	<0.74	<0.38	<0.74	<0.74	<0.74	<0.74	<0.74	<0.38	<0.74	<0.74	<0.74	<0.74	<0.74
KD-SB-11	4/16/2014	26-28	<0.87	<0.87	<0.87	<0.45	<0.87	<0.87	<0.87	<0.87	<0.87	<0.45	<0.87	<0.87	<0.87	<0.87	<0.87
KD-SB-12	4/16/2014	2-4	<4.0	<4.0	<4.0	<2.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<4.0	<4.0	<4.0	<4.0	<4.0
KD-SB-12	4/16/2014	24-26	<0.74	<0.74	<0.74	<0.38	<0.74	<0.74	<0.74	<0.74	<0.74	<0.38	<0.74	<0.74	<0.74	<0.74	<0.74
KD-SB-13	4/16/2014	2-4	<7.3	<7.3	<7.3	<3.8	<7.3	<7.3	<7.3	<7.3	<7.3	<3.8	<7.3	<7.3	<7.3	<7.3	<7.3
KD-SB-13	4/16/2014	25-27	<4.2	<4.2	<4.2	<2.2	<4.2	<4.2	<4.2	<4.2	<4.2	<2.2	<4.2	<4.2	<4.2	<4.2	<4.2
KD-SB-14	4/17/2014	8-12	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77
KD-SB-14	4/17/2014	26-28	<0.73	<0.73	<0.73	<0.38	<0.73	<0.73	<0.73	<0.73	<0.73	<0.38	<0.73	<0.73	<0.73	<0.73	<0.73
KD-SB-15	4/17/2014	2-4	<0.77	<0.77	<0.77	<0.39	<0.77	<0.77	<0.77	<0.77	<0.77	<0.39	<0.77	<0.77	<0.77	<0.77	<0.77
KD-SB-15 DUPLICATE	4/17/2014	20-22	<0.86 <0.82	<0.86 <0.82	<0.86 <0.82	<0.45 <0.42	<0.86 <0.82	<0.86 <0.82	<0.86 <0.82	<0.86 <0.82	<0.86 <0.82	<0.45 <0.42	<0.86 <0.82	<0.86 <0.82	<0.86 <0.82	<0.86 <0.82	<0.86 <0.82
KD-SB-16	4/17/2014	8-10	<0.76	<0.76	<0.76	<0.39	<0.76	<0.76	<0.76	<0.76	<0.76	<0.39	<0.76	<0.76	<0.76	<0.76	<0.76
KD-SB-16	4/17/2014	20-22	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77
KD-SB-17	4/17/2014	6-8	<0.75	<0.75	<0.75	<0.38	<0.75	<0.75	<0.75	<0.75	<0.75	<0.38	<0.75	<0.75	<0.75	<0.75	<0.75
KD-SB-17	4/17/2014	25.5-27.5	<0.96	<0.96	<0.96	<0.49	<0.96	<0.96	<0.96	<0.96	<0.96	<0.49	<0.96	<0.96	<0.96	<0.96	<0.96
KD-SB-18	4/15/2014	4-6	<0.85	<0.85	<0.85	<0.44	<0.85	<0.85	<0.85	<0.85	<0.85	<0.44	<0.85	<0.85	<0.85	<0.85	<0.85
KD-SB-18	4/15/2014	24-26	<0.91	<0.91	<0.91	<0.47	<0.91	<0.91	<0.91	<0.91	<0.91	<0.47	<0.91	<0.91	<0.91	<0.91	<0.91
KD-SB-19 DUPLICATE	4/21/2014	10-12	<0.72 <0.71	<0.72 <0.71	<0.72 <0.71	<0.37 <0.36	<0.72 <0.71	<0.72 <0.71	<0.72 <0.71	<0.72 <0.71	<0.72 <0.71	<0.37 <0.36	<0.72 <0.71	<0.72 <0.71	<0.72 <0.71	<0.72 <0.71	<0.72 <0.71
KD-SB-19	4/21/2014	28-30	<0.75	<0.75	<0.75	<0.39	<0.75	<0.75	<0.75	<0.75	<0.75	<0.39	<0.75	<0.75	<0.75	<0.75	<0.75
KD-SB-20	4/21/2014	4-6	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77
KD-SB-20	4/21/2014	21.5-23.5	<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70	<0.70

Table 1  
Summary of Semi-Volatile Organic Compounds in Soil  
Kokomo Dump Site  
1130 South Dixon Road  
Kokomo, Indiana 46901  
Site Spill Identification Number C564

Sample ID	Date	Sample Depth (feet)	Units in mg/kg (ppm)														
			Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g, h, i)perylene	Bis(2-ethylhexyl)phthalate	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
IDEM RCG Excavation Direct Contact Screening Levels			55,000	100,000	1,300	130	1,300	13,000	NE	20,000	100,000	130	37,000	37,000	1,300	NE	28,000
IDEM RCG Industrial Direct Contact Screening Levels			33,000	100,000	21	2.1	21	210	NE	1,200	2,100	2.1	22,000	22,000	21	NE	17,000
IDEM RCG Residential Direct Contact Screening Levels			4,800	24,000	2.1	0.21	2.1	21	NE	490	210	0.21	3,200	3,200	2.1	NE	2,400
KD-SB-21	4/18/2014	6-8	<0.71	<0.71	<0.71	<0.37	<0.71	<0.71	<0.71	<0.71	<0.71	<0.37	<0.71	<0.71	<0.71	<0.71	<0.71
KD-SB-21	4/18/2014	17-19	<0.71	<0.71	<0.71	<0.37	<0.71	<0.71	<0.71	<0.71	<0.71	<0.37	<0.71	<0.71	<0.71	<0.71	<0.71
KD-SB-22	4/18/2014	18-20	<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70	<0.70
KD-SB-22 DUPLICATE	4/18/2014	20-22	<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70	<0.70
			<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70
KD-SB-23 DUPLICATE	4/18/2014	8-10	<0.75	<0.75	<0.75	<0.39	<0.75	<0.75	<0.75	<0.75	<0.75	<0.39	<0.75	<0.75	<0.75	<0.75	<0.75
			<0.75	<0.75	<0.75	<0.39	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.39	<0.75	<0.75	<0.75	<0.75
KD-SB-23	4/18/2014	25-27	<0.68	<0.68	<0.68	<0.35	<0.68	<0.68	<0.68	<0.68	<0.68	<0.35	<0.68	<0.68	<0.68	<0.68	<0.68
KD-SB-24	4/21/2014	20-22	<0.76	<0.76	<0.76	<0.39	<0.76	<0.76	<0.76	<0.76	<0.76	<0.39	<0.76	<0.76	<0.76	<0.76	<0.76
KD-SB-24	4/21/2014	24-26	<0.88	<0.88	<0.88	<0.45	<0.88	<0.88	<0.88	<0.88	<0.88	<0.45	<0.88	<0.88	<0.88	<0.88	<0.88
KD-SB-25	4/16/2014	4-6	<0.74	<0.74	<0.74	<0.38	<0.74	<0.74	<0.74	<0.74	<0.74	<0.38	<0.74	<0.74	<0.74	<0.74	<0.74
KD-SB-25	4/16/2014	25-27	<0.76	<0.76	<0.76	<0.39	<0.76	<0.76	<0.76	<0.76	<0.76	<0.39	<0.76	<0.76	<0.76	<0.76	<0.76
KD-SB-26	4/22/2014	8-10	<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70	<0.70	<0.36	<0.70	<0.70	<0.70	<0.70	<0.70
KD-SB-26 DUPLICATE	4/22/2014	24-26	<0.90	<0.90	<0.90	<0.47	<0.90	<0.90	<0.90	<0.90	<0.90	<0.47	<0.90	<0.90	<0.90	<0.90	<0.90
			<0.75	<0.75	<0.75	<0.39	<0.75	<0.75	<0.75	<0.75	<0.75	<0.39	<0.75	<0.75	<0.75	<0.75	<0.75
KD-SB-27	4/15/2014	2-4	52.1	71.8	122	54.8	52.3	40.3	36.6	<3.8	114	18.6	288	52.3	35.7	310	217
KD-SB-27	4/15/2014	24-26	<0.36	<0.36	<0.36	<0.18	<0.36	<0.36	<0.36	<0.36	<0.36	<0.18	<0.36	<0.36	<0.36	<0.36	<0.36
KD-SB-28	4/14/2014	2-4	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38
KD-SB-28	4/14/2014	22-24	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37
KD-SB-29	4/14/2014	8-10	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38
KD-SB-29	4/14/2014	20-21	<0.47	<0.47	<0.47	<0.24	<0.47	<0.47	<0.47	<0.47	<0.47	<0.24	<0.47	<0.47	<0.47	<0.47	<0.47
KD-SB-30	4/14/2014	0-2	<1.8	<1.8	<1.8	<0.94	<1.8	<1.8	<1.8	<1.8	<1.8	<0.94	<1.8	<1.8	<1.8	<1.8	<1.8
KD-SB-30	4/14/2014	20-22	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37
KD-SS-02	4/14/2014	1-1.5	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38
KD-SS-03	4/14/2014	0.5-1	<0.38	<0.38	0.89	0.96	0.84	0.84	0.85	<0.38	0.99	0.27	1.2	<0.38	0.73	<0.38	1.2
KD-SS-04	4/14/2014	0.2-0.8	<0.39	<0.39	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39
KD-SS-05	4/14/2014	1-1.5	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37
KD-SS-06 DUPLICATE	4/15/2014	0.1-0.6	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	0.44	<0.19	0.46	<0.38	<0.38	0.70	0.45
			<1.9	<1.9	<1.9	<0.97	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	2.7	<1.9	
KD-SS-07	4/15/2014	0-0.5	<0.37	<0.37	0.60	0.45	0.46	0.40	<0.37	<0.37	0.65	<0.19	1.3	<0.37	<0.37	0.82	1.3
KD-SS-08 DUPLICATE	4/22/2014	4-4.5	<0.73	<0.73	<0.73	<0.38	<0.73	<0.73	<0.73	<0.73	<0.73	<0.38	<0.73	<0.73	<0.73	<0.73	<0.73
			<0.73	<0.73	<0.73	<0.38	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.38	<0.73	<0.73	<0.73	<0.73
KD-SS-09	04/22/2014	5.5-6	<0.76	<0.76	<0.76	<0.39	<0.76	<0.76	<0.76	<0.76	<0.76	<0.39	<0.76	<0.76	<0.76	<0.76	<0.76



Table 1  
Summary of Semi-Volatile Organic Compounds in Soil  
Kokomo Dump Site  
1130 South Dixon Road  
Kokomo, Indiana 46901  
Site Spill Identification Number C564

Sample ID	Date	Sample Depth (feet)	Units in mg/kg (ppm)														
			Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g, h, i)perylene	Bis(2-ethylhexyl)phthalate	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
IDEM RCG Excavation Direct Contact Screening Levels			55,000	100,000	1,300	130	1,300	13,000	NE	20,000	100,000	130	37,000	37,000	1,300	NE	28,000
IDEM RCG Industrial Direct Contact Screening Levels			33,000	100,000	21	2.1	21	210	NE	1,200	2,100	2.1	22,000	22,000	21	NE	17,000
IDEM RCG Residential Direct Contact Screening Levels			4,800	24,000	2.1	0.21	2.1	21	NE	490	210	0.21	3,200	3,200	2.1	NE	2,400
KD-SS-11	4/18/2014	0.1-0.6	<3.9	<3.9	<3.9	<2.0	<3.9	<3.9	<3.9	<3.9	<3.9	<2.0	<3.9	<3.9	<3.9	<3.9	<3.9
KD-SS-12	4/18/2014	1-1.5	<0.81	<0.81	<0.81	<0.42	<0.81	<0.81	<0.81	<0.81	<0.81	<0.42	<0.81	<0.81	<0.81	<0.81	<0.81
KD-SS-13	4/21/2014	0-0.5	<0.71	<0.71	<0.71	<0.37	<0.71	<0.71	<0.71	<0.71	<0.71	<0.37	<0.71	<0.71	<0.71	<0.71	<0.71
KD-SS-14	4/22/2014	3.5-4	<0.80	<0.80	<0.80	<0.41	<0.80	<0.80	<0.80	<0.80	<0.80	<0.41	<0.80	<0.80	<0.80	<0.80	<0.80
KD-SS-15	4/15/2014	1-1.5	<3.6	<3.6	<3.6	<1.8	<3.6	<3.6	<3.6	<3.6	<3.6	<1.8	<3.6	<3.6	<3.6	<3.6	<3.6
KD-SS-16	4/14/2014	1-1.5	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38
KD-SS-17	4/14/2014	1-1.5	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38
KD-SS-18	4/14/2014	0.5-1	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37
KD-SS-19	4/14/2014	1-1.5	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37
KD-SS-20	4/14/2014	0.2-0.8	<0.39	<0.39	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39	<0.20	0.44	<0.39	<0.39	<0.39	<0.39
KD-SS-21	4/14/2014	0.5-1	0.46	1.4	2.9	2.1	1.9	1.8	1.3	<0.39	2.8	0.64	5.4	0.51	1.2	4.3	4.2
KD-SS-22	4/14/2014	0.5-1	<0.39	<0.39	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39
KD-SS-24	4/15/2014	1-1.5	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77
KD-SS-25	4/21/2014	1.5-2	<3.8	4.4	12.3	7.9	6.1	8.6	<3.8	4.6	11.9	<2.0	24.4	<3.8	<3.8	15.2	20.4
KD-SS-26	4/15/2014	0.5-1	<3.7	<3.7	<3.7	<1.9	<3.7	<3.7	<3.7	<3.7	<3.7	<1.9	<3.7	<3.7	<3.7	<3.7	<3.7
KD-SS-27 DUPLICATE	4/17/2014	0.2-0.7	<3.9 <4.7	<3.9 <4.7	<3.9 <4.7	<2.0 <2.4	<3.9 <4.7	<3.9 <4.7	<3.9 <4.7	<3.9 <4.7	<3.9 <4.7	<2.0 <2.4	<3.9 <4.7	<3.9 <4.7	<3.9 <4.7	<3.9 <4.7	<3.9 <4.7
KD-SS-28	4/16/2014	0.2-0.7	<3.8	<3.8	8.8	7.2	6.0	7.0	4.1	<3.8	8.8	<2.0	19.4	<3.8	4.0	12.8	16.0
KD-SS-29	4/16/2014	0.2-0.7	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77	<0.40	<0.77	<0.77	<0.77	<0.77	<0.77
KD-WP-1-1	9/10/2014	Composite	<1.8	<1.8	<1.8	<0.92	<1.8	<1.8	<1.8	<1.8	<1.8	<0.92	<1.8	<1.8	<1.8	<1.8	<1.8
KD-WP-1-2	9/10/2014	Composite	<1.9	<1.9	<1.9	<0.96	<1.9	<1.9	<1.9	<1.9	<1.9	<0.96	<1.9	<1.9	<1.9	<1.9	<1.9
KD-WP-2-1	9/11/2014	Composite	<2.2	<2.2	<2.2	<1.1	<2.2	<2.2	<2.2	<2.2	<2.2	<1.1	<2.2	<2.2	<2.2	<2.2	<2.2
KD-WP-2-2	9/11/2014	Composite	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
KD-WP-2-3	9/11/2014	Composite	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
KD-WP-3	9/11/2014	Composite	<2.1	<2.1	<2.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1
KD-WP-4	9/11/2014	Composite	<2.1	<2.1	<2.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1
KD-WP-5	9/10/2014	Composite	<2.1	<2.1	<2.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1
KD-WP-6	9/11/2014	Composite	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
KD-WP-7 DUPLICATE	9/11/2014	Composite	<2.2 <2.1	<2.2 <2.1	<2.2 <2.1	<1.1 <1.1	<2.2 <2.1	<2.2 <2.1	<2.2 <2.1	<2.2 <2.1	<2.2 <2.1	<1.1 <1.1	<2.2 <2.1	<2.2 <2.1	<2.2 <2.1	<2.2 <2.1	<2.2 <2.1
KD-WP-8-1	9/9/2014	Composite	<1.8	<1.8	<1.8	<0.95	<1.8	<1.8	<1.8	<1.8	<1.8	<0.95	<1.8	<1.8	<1.8	<1.8	<1.8
KD-WP-8-2	9/10/2014	Composite	<1.8	<1.8	<1.8	<0.90	<1.8	<1.8	<1.8	<1.8	<1.8	<0.90	<1.8	<1.8	<1.8	<1.8	<1.8

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Kokomo Dump Site  
1130 South Dixon Road  
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Site Spill Identification Number C564

Sample ID	Date	Sample Depth (feet)	Units in mg/kg (ppm)														
			Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g, h, i)perylene	Bis(2-ethylhexyl)phthalate	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
IDEM RCG Excavation Direct Contact Screening Levels			55,000	100,000	1,300	130	1,300	13,000	NE	20,000	100,000	130	37,000	37,000	1,300	NE	28,000
IDEM RCG Industrial Direct Contact Screening Levels			33,000	100,000	21	2.1	21	210	NE	1,200	2,100	2.1	22,000	22,000	21	NE	17,000
IDEM RCG Residential Direct Contact Screening Levels			4,800	24,000	2.1	0.21	2.1	21	NE	490	210	0.21	3,200	3,200	2.1	NE	2,400
KD-TP-1	2/5/2015	9	<1.9	<1.9	<1.9	<0.98	<1.9	<1.9	<1.9	<1.9	<1.9	<0.98	<1.9	<1.9	<1.9	<1.9	<1.9
KD-TP-2	2/5/2015	5	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
KD-TP-10	2/4/2015	7.5	<2.1	2.5	3.8	3.2	4.2	<2.1	<2.1	<2.1	3.8	<1.1	9.9	<2.1	<2.1	8.9	7.7
KD-TP-14	2/4/2015	10	<0.43	<0.43	<0.43	<0.22	<0.43	<0.43	<0.43	<0.43	<0.43	<0.22	<0.43	<0.43	<0.43	<0.43	<0.43
KD-TP-15	2/4/2015	10	<0.40	<0.40	<0.40	<0.20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.40	<0.40	<0.40	<0.40	<0.40
KD-TP-24	2/4/2015	10	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
DUPLICATE-1			<2.1	<2.1	<2.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<1.1	<2.1	<2.1	<2.1	<2.1
KD-TP-25	2/4/2015	10.5	<0.42	<0.42	<0.42	<0.22	<0.42	<0.42	<0.42	2.0	<0.42	<0.22	<0.42	<0.42	<0.42	<0.42	<0.42
KD-TP-26	2/4/2015	9.5	<0.40	<0.40	<0.40	<0.20	<0.40	<0.40	<0.40	0.85	<0.40	<0.20	<0.40	<0.40	<0.40	<0.40	<0.40
DUPLICATE-2			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-TP-27	2/4/2015	11.5	<0.42	<0.42	<0.42	<0.22	<0.42	<0.42	<0.42	<0.42	<0.42	<0.22	<0.42	<0.42	<0.42	<0.42	<0.42
KD-Trench	2/5/2015	8	<4.0	<4.0	<4.0	<2.1	<4.0	<4.0	<4.0	<4.0	<4.0	<2.1	<4.0	<4.0	<4.0	<4.0	<4.0
DUPLICATE-3			<4.1	<4.1	<4.1	<2.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<2.1	<4.1	<4.1	<4.1	<4.1
KD-SB-31	3/19/2015	2-4	<0.40	<0.40	<0.40	<0.21	<0.40	<0.40	<0.40	<0.40	<0.40	<0.21	<0.40	<0.40	<0.40	<0.40	<0.40
KD-SB-31	3/19/2015	13-15	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36
KD-SB-32	3/19/2015	1-3	<0.36	<0.36	0.38	0.27	0.40	<0.36	<0.36	<0.36	0.44	<0.19	0.83	<0.36	<0.36	0.43	0.89
KD-SB-32	3/19/2015	13-15	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36
KD-SB-33	3/19/2015	1-3	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38
KD-SB-33	3/19/2015	13-15	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36
KD-SB-34	3/19/2015	0.5-2.5	<0.34	<0.34	<0.34	<0.18	<0.34	<0.34	<0.34	<0.34	<0.34	<0.18	<0.34	<0.34	<0.34	<0.34	<0.34
KD-SB-34	3/19/2015	13-15	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36
DUPLICATE-1			<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38
KD-SB-35	3/19/2015	0.5-2.5	<0.39	<0.39	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39
KD-SB-35	3/19/2015	13-15	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36	<0.19	<0.36	<0.36	<0.36	<0.36	<0.36
KD-SB-36	3/19/2015	0.5-2.5	<0.38	<0.38	0.45*	0.34*	0.41*	<0.38	<0.38	<0.38	0.46*	<0.19	0.57*	<0.38	<0.38	<0.38	0.63*
DUPLICATE-2			<1.9	<1.9	2.3*	1.9*	2.9*	<1.9	<1.9	<1.9	2.6*	<0.96	4.1*	<1.9	<1.9	2.8	3.5*
KD-SB-36	3/19/2015	13-15	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37
KD-SB-37	3/19/2015	1-3	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37
KD-SB-37	3/19/2015	13-15	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37
Hazardous Waste-1	9/3/2015	-	<1.9	<1.9	<1.9	<0.97	<1.9	<1.9	<1.9	<1.9	<1.9	<0.97	<1.9	<1.9	<1.9	<1.9	<1.9
KD-Drum-1	9/3/2015	14	<44.0	<44.0	<44.0	<22.7	<44.0	<44.0	<44.0	<44.0	<44.0	<22.7	<44.0	<44.0	<44.0	<44.0	<44.0
KD-SS-01-Disp	9/3/2015	11-15	<2.4	<2.4	<2.4	<1.2	<2.4	<2.4	<2.4	<2.4	<2.4	<1.2	<2.4	<2.4	<2.4	<2.4	<2.4
Pink Paint Waste	9/3/2015	-	<53.7	<53.7	<53.7	<27.7	<53.7	<53.7	<53.7	<53.7	<53.7	<27.7	<53.7	<53.7	<53.7	<53.7	<53.7

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Sample ID	Date	Sample Depth (feet)	Units in mg/kg (ppm)														
			Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g, h, i)perylene	Bis(2-ethylhexyl)phthalate	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
IDEM RCG Excavation Direct Contact Screening Levels			55,000	100,000	1,300	130	1,300	13,000	NE	20,000	100,000	130	37,000	37,000	1,300	NE	28,000
IDEM RCG Industrial Direct Contact Screening Levels			33,000	100,000	21	2.1	21	210	NE	1,200	2,100	2.1	22,000	22,000	21	NE	17,000
IDEM RCG Residential Direct Contact Screening Levels			4,800	24,000	2.1	0.21	2.1	21	NE	490	210	0.21	3,200	3,200	2.1	NE	2,400
Backfill Soil	9/1/2015	-	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38
KD-EXC-1-1	9/1/2015	1	NA	NA	NA	18.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-2	9/1/2015	1	NA	NA	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-3	9/1/2015	1	NA	NA	NA	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-4	9/1/2015	1	NA	NA	NA	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-5 Duplicate-3	9/1/2015	2	NA	NA	NA	6.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			NA	NA	NA	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-6	11/17/2015	1	NA	NA	NA	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-7	11/17/2015	1	NA	NA	NA	0.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-8 Duplicate	11/17/2015	1	NA	NA	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			NA	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-9	11/17/2015	1	NA	NA	NA	27.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-10 Duplicate-1	2/4/2016	1	NA	NA	NA	0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			NA	NA	NA	0.038	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-1-11	2/4/2016	1	NA	NA	NA	0.029	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-4-1	8/31/2015	1	NA	NA	NA	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-4-2	8/31/2015	1	NA	NA	NA	0.202	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-4-3	8/31/2015	1	NA	NA	NA	0.354	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-4-4	8/31/2015	1	NA	NA	NA	0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-4-5	8/31/2015	2	NA	NA	NA	0.119	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-5-1	8/31/2015	1	NA	NA	0.261	0.268	0.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-5-2	8/31/2015	1	NA	NA	0.36	0.391	0.373	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-5-3	8/31/2015	1	NA	NA	0.0829	0.0807	0.0822	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-5-4	8/31/2015	1	NA	NA	<0.0058	<0.0058	0.0067	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-5-5 Duplicate-1	8/31/2015	2	NA	NA	0.165	0.168	0.171	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			NA	NA	0.400	0.37	0.399	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KD-EXC-6-1	9/2/2015	4	<0.36	<0.36	<0.36	<0.18	<0.36	<0.36	<0.36	<0.36	<0.36	<0.18	<0.36	<0.36	<0.36	<0.36	<0.36
KD-EXC-6-2	9/2/2015	5	<1.8	<1.8	<1.8	<0.93	<1.8	<1.8	<1.8	<1.8	<1.8	<0.93	<1.8	<1.8	<1.8	<1.8	<1.8
KD-EXC-6-3	9/2/2015	6	<0.36	<0.36	<0.36	<0.18	<0.36	<0.36	<0.36	<0.36	<0.36	<0.18	<0.36	<0.36	<0.36	<0.36	<0.36
KD-EXC-6-4	9/2/2015	6	<1.8	<1.8	<1.8	<0.94	<1.8	<1.8	<1.8	<1.8	<1.8	<0.94	<1.8	<1.8	<1.8	<1.8	<1.8
KD-EXC-6-5	9/2/2015	4	<1.9	<1.9	<1.9	<0.97	<1.9	<1.9	<1.9	<1.9	<1.9	<0.97	<1.9	<1.9	<1.9	<1.9	<1.9
KD-EXC-6-6	9/3/2015	10	<0.35	<0.35	<0.35	<0.18	<0.35	<0.35	<0.35	<0.35	<0.35	<0.18	<0.35	<0.35	<0.35	<0.35	<0.35
KD-EXC-6-7	9/3/2015	5	<0.35	<0.35	<0.35	<0.18	<0.35	<0.35	<0.35	<0.35	<0.35	<0.18	<0.35	<0.35	<0.35	<0.35	<0.35
KD-EXC-6-8	9/3/2015	4	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38
KD-EXC-6-9	9/3/2015	10	<0.34	<0.34	<0.34	0.30	0.43	<0.34	<0.34	0.37	0.35	<0.18	0.67	<0.34	<0.34	0.39	0.63
KD-EXC-6-10	9/3/2015	5	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38

Table 1  
Summary of Semi-Volatile Organic Compounds in Soil  
Kokomo Dump Site  
1130 South Dixon Road  
Kokomo, Indiana 46901  
Site Spill Identification Number C564

Sample ID	Date	Sample Depth (feet)	Units in mg/kg (ppm)														
			Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g, h, i)perylene	Bis(2-ethylhexyl)phthalate	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
IDEM RCG Excavation Direct Contact Screening Levels			55,000	100,000	1,300	130	1,300	13,000	NE	20,000	100,000	130	37,000	37,000	1,300	NE	28,000
IDEM RCG Industrial Direct Contact Screening Levels			33,000	100,000	21	2.1	21	210	NE	1,200	2,100	2.1	22,000	22,000	21	NE	17,000
IDEM RCG Residential Direct Contact Screening Levels			4,800	24,000	2.1	0.21	2.1	21	NE	490	210	0.21	3,200	3,200	2.1	NE	2,400
KD-EXC-6-11 Duplicate-4	9/3/2015	8	<0.39	<0.39	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39	<0.20	<0.39	<0.39	<0.39	<0.39	<0.39
			<0.35	<0.35	<0.35	0.26	<0.35	<0.35	<0.35	<0.35	<0.35	<0.18	0.36	<0.35	<0.35	<0.35	<0.35
KD-EXC-6-12 Duplicate-5	9/3/2015	10	<0.35	<0.35	<0.35	<0.18	<0.35	<0.35	<0.35	2.5	<0.35	<0.18	<0.35	<0.35	<0.35	<0.35	<0.35
			<3.8	<3.8	<3.8	<1.9	<3.8	<3.8	<3.8	4.5	<3.8	<1.9	<3.8	<3.8	<3.8	<3.8	<3.8
KD-EXC-6-13	9/3/2015	10	<3.8	<3.8	<3.8	<2.0	<3.8	<3.8	<3.8	<3.8	<3.8	<2.0	<3.8	<3.8	<3.8	<3.8	<3.8
KD-EXC-6-14	9/3/2015	25	<3.9	<3.9	<3.9	<2.0	<3.9	<3.9	<3.9	<3.9	<3.9	<2.0	<3.9	<3.9	<3.9	<3.9	<3.9

IDEM RCG = Indiana Department of Environmental Management Remediation Closure Guide (RCG), 2014 Screening Levels

mg/kg = milligrams per kilogram = parts per million (ppm)

ng/kg = nanograms per kilogram = parts per trillion (ppt)

NA = Not Analyzed

NE = Screening level is not established

PCBs = Polychlorinated Biphenyls

<# = Constituent not detected above laboratory detection limit

\* = Detections are considered estimated with no bias, based on the results of the duplicate sample results

\*\* = Detections are considered estimated

Results in bold Brown exceed the RCG Excavation Direct Contact Screening Levels

Results in bold Red exceed the RCG Industrial Direct Contact Screening Levels

Results in bold Blue exceed the RCG Residential Direct Contact Screening Levels

## **Attachment A**

Laboratory Analytical Results & Chain of Custody Documentation

February 16, 2016

Mr. Brad Adams  
Sesco  
1426 W. 29th Street  
Indianapolis, IN 46208

RE: Project: Kokomo Dump Site/4108  
Pace Project No.: 50137842

Dear Mr. Adams:

Enclosed are the analytical results for sample(s) received by the laboratory on February 04, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mick Mayse  
mick.mayse@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

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### Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas/NELAP Certification #: E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #: 98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50137842001	KD-EXC-1-10 (1')	Solid	02/04/16 10:27	02/04/16 15:29
50137842002	KD-EXC-1-11 (1')	Solid	02/04/16 10:50	02/04/16 15:29
50137842007	Duplicate-1	Solid	02/04/16 08:00	02/04/16 15:29
50137842008	KD-Equipment Blank	Water	02/04/16 10:56	02/04/16 15:29

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## SAMPLE ANALYTE COUNT

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50137842001	KD-EXC-1-10 (1')	EPA 8270 by SIM	JCM	3
		SM 2540G	SLB	1
50137842002	KD-EXC-1-11 (1')	EPA 8270 by SIM	JCM	3
		SM 2540G	SLB	1
50137842007	Duplicate-1	EPA 8270 by SIM	JCM	3
		SM 2540G	SLB	1
50137842008	KD-Equipment Blank	EPA 8270 by SIM LVE	TBP	3

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## SUMMARY OF DETECTION

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50137842001</b>	<b>KD-EXC-1-10 (1')</b>					
EPA 8270 by SIM	Benzo(a)pyrene	0.035	mg/kg	0.027	02/08/16 21:09	1d
SM 2540G	Percent Moisture	8.0	%	0.10	02/05/16 07:26	
<b>50137842002</b>	<b>KD-EXC-1-11 (1')</b>					
EPA 8270 by SIM	Benzo(a)pyrene	0.029	mg/kg	0.026	02/08/16 21:26	
SM 2540G	Percent Moisture	6.4	%	0.10	02/05/16 07:26	
<b>50137842007</b>	<b>Duplicate-1</b>					
EPA 8270 by SIM	Benzo(a)pyrene	0.038	mg/kg	0.027	02/09/16 00:38	1d
SM 2540G	Percent Moisture	7.9	%	0.10	02/05/16 07:27	

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## ANALYTICAL RESULTS

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

**Sample: KD-EXC-1-10 (1')**      **Lab ID: 50137842001**      Collected: 02/04/16 10:27      Received: 02/04/16 15:29      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546								
Benzo(a)pyrene	<b>0.035</b>	mg/kg	0.027	5	02/05/16 10:12	02/08/16 21:09	50-32-8	1d
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	78	%.	25-121	5	02/05/16 10:12	02/08/16 21:09	321-60-8	
p-Terphenyl-d14 (S)	96	%.	27-124	5	02/05/16 10:12	02/08/16 21:09	1718-51-0	
<b>Percent Moisture</b>								
Analytical Method: SM 2540G								
Percent Moisture	<b>8.0</b>	%	0.10	1		02/05/16 07:26		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

**Sample: KD-EXC-1-11 (1')** **Lab ID: 50137842002** Collected: 02/04/16 10:50 Received: 02/04/16 15:29 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Benzo(a)pyrene	<b>0.029</b>	mg/kg	0.026	5	02/05/16 10:12	02/08/16 21:26	50-32-8	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	83	%.	25-121	5	02/05/16 10:12	02/08/16 21:26	321-60-8	
p-Terphenyl-d14 (S)	99	%.	27-124	5	02/05/16 10:12	02/08/16 21:26	1718-51-0	
<b>Percent Moisture</b>								
Analytical Method: SM 2540G								
Percent Moisture	<b>6.4</b>	%	0.10	1		02/05/16 07:26		

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## ANALYTICAL RESULTS

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

**Sample: Duplicate-1**      **Lab ID: 50137842007**      Collected: 02/04/16 08:00      Received: 02/04/16 15:29      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546								
Benzo(a)pyrene	<b>0.038</b>	mg/kg	0.027	5	02/08/16 12:01	02/09/16 00:38	50-32-8	1d
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	79	%.	25-121	5	02/08/16 12:01	02/09/16 00:38	321-60-8	
p-Terphenyl-d14 (S)	100	%.	27-124	5	02/08/16 12:01	02/09/16 00:38	1718-51-0	
<b>Percent Moisture</b>								
Analytical Method: SM 2540G								
Percent Moisture	<b>7.9</b>	%	0.10	1		02/05/16 07:27		

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## ANALYTICAL RESULTS

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

Sample: KD-Equipment Blank		Lab ID: 50137842008		Collected: 02/04/16 10:56		Received: 02/04/16 15:29		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE   Preparation Method: EPA 3510							
Benzo(a)pyrene		ND	ug/L	0.10	1	02/05/16 09:45	02/08/16 19:44	50-32-8	
Surrogates									
2-Fluorobiphenyl (S)		64	%.	18-117	1	02/05/16 09:45	02/08/16 19:44	321-60-8	
p-Terphenyl-d14 (S)		85	%.	10-112	1	02/05/16 09:45	02/08/16 19:44	1718-51-0	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

QC Batch: OEXT/42306

Analysis Method: EPA 8270 by SIM LVE

QC Batch Method: EPA 3510

Analysis Description: 8270 Water PAH LV by SIM MSSV

Associated Lab Samples: 50137842008

METHOD BLANK: 1472337

Matrix: Water

Associated Lab Samples: 50137842008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)pyrene	ug/L	ND	0.10	02/09/16 08:36	
2-Fluorobiphenyl (S)	%.	59	18-117	02/09/16 08:36	
p-Terphenyl-d14 (S)	%.	95	10-112	02/09/16 08:36	

LABORATORY CONTROL SAMPLE: 1472338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	ug/L	10	7.3	73	28-150	
2-Fluorobiphenyl (S)	%.			60	18-117	
p-Terphenyl-d14 (S)	%.			91	10-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1472339 1472340

Parameter	Units	50137841004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Benzo(a)pyrene	ug/L	ND	10	10	6.6	7.0	66	70	10-97	6	20
2-Fluorobiphenyl (S)	%.						60	54	18-117		
p-Terphenyl-d14 (S)	%.						75	75	10-112		

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## QUALITY CONTROL DATA

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

QC Batch: OEXT/42305

Analysis Method: EPA 8270 by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV PAH by SIM

Associated Lab Samples: 50137842001, 50137842002

METHOD BLANK: 1472333

Matrix: Solid

Associated Lab Samples: 50137842001, 50137842002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)pyrene	mg/kg	ND	0.0050	02/08/16 16:29	
2-Fluorobiphenyl (S)	%.	86	25-121	02/08/16 16:29	
p-Terphenyl-d14 (S)	%.	109	27-124	02/08/16 16:29	

LABORATORY CONTROL SAMPLE: 1472334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	mg/kg	.33	0.32	96	54-141	
2-Fluorobiphenyl (S)	%.			88	25-121	
p-Terphenyl-d14 (S)	%.			108	27-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1472335 1472336

Parameter	Units	50137842002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzo(a)pyrene	mg/kg	0.029	.35	.35	0.30	0.89	75	246	10-146	101	20	M0,R1
2-Fluorobiphenyl (S)	%.						84	81	25-121			
p-Terphenyl-d14 (S)	%.						95	88	27-124			

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## QUALITY CONTROL DATA

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

QC Batch: OEXT/42319

Analysis Method: EPA 8270 by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV PAH by SIM

Associated Lab Samples: 50137842007

METHOD BLANK: 1473353

Matrix: Solid

Associated Lab Samples: 50137842007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)pyrene	mg/kg	ND	0.0050	02/08/16 23:45	
2-Fluorobiphenyl (S)	%.	80	25-121	02/08/16 23:45	
p-Terphenyl-d14 (S)	%.	103	27-124	02/08/16 23:45	

LABORATORY CONTROL SAMPLE: 1473354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	mg/kg	.33	0.30	89	54-141	
2-Fluorobiphenyl (S)	%.			85	25-121	
p-Terphenyl-d14 (S)	%.			102	27-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1473387 1473388

Parameter	Units	50137923002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Benzo(a)pyrene	mg/kg	ND	.35	.35	0.28	0.30	81	84	10-146	5	20
2-Fluorobiphenyl (S)	%.						70	75	25-121		
p-Terphenyl-d14 (S)	%.						82	84	27-124		

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## QUALITY CONTROL DATA

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

QC Batch: PMST/11632

Analysis Method: SM 2540G

QC Batch Method: SM 2540G

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 50137842001, 50137842002, 50137842007

SAMPLE DUPLICATE: 1472327

Parameter	Units	50137647002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.8	9.4	4	5	

SAMPLE DUPLICATE: 1472328

Parameter	Units	50137842002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.4	6.7	5	5	

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## QUALIFIERS

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

1d Due to the extract's physical characteristics, the analysis was performed at dilution

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Kokomo Dump Site/4108

Pace Project No.: 50137842

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50137842008	KD-Equipment Blank	EPA 3510	OEXT/42306	EPA 8270 by SIM LVE	MSSV/20179
50137842001	KD-EXC-1-10 (1')	EPA 3546	OEXT/42305	EPA 8270 by SIM	MSSV/20183
50137842002	KD-EXC-1-11 (1')	EPA 3546	OEXT/42305	EPA 8270 by SIM	MSSV/20183
50137842007	Duplicate-1	EPA 3546	OEXT/42319	EPA 8270 by SIM	MSSV/20186
50137842001	KD-EXC-1-10 (1')	SM 2540G	PMST/11632		
50137842002	KD-EXC-1-11 (1')	SM 2540G	PMST/11632		
50137842007	Duplicate-1	SM 2540G	PMST/11632		

## REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

50137842  
1957559

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>SESCO GROUP</b>	Report To: <b>Brad Adams</b>	Attention:	Company Name:	Page: <b>1</b> of <b>1</b>	
Address: <b>1426 West 2nd St.</b>	Copy To:		Address:		
City: <b>Indianapolis, IN</b>	Purchase Order No.:		State: <b>IN</b>		
Phone: <b>317-347-9590</b>	Project Name: <b>Kovemo Dump Site</b>		Site Location:		
Fax: <b>317-347-9591</b>	Project Number: <b>4108</b>		State:		
Requested Due Date/TAT: <b>6th</b>					

ITEM #	SAMPLE ID (A-Z, 0-9 / -)	Matrix Codes MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test ↑	Y/N ↓	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB							
1	KD-EXC-1-10 (1')	DW	G	2/4/16	1027		1					001
2	* KD-EXC-1-11 (1')	WT			1050		3					002
3	KD-EXC-1-12 (1')	WW			1107		1					003
4	KD-EXC-1-13 (1')	P			1114		1					004
5	KD-EXC-1-14 (1')	SL			1123		1					005
6	KD-EXC-1-15 (1')	OL			1133		1					006
7	KD-EXC-1-16 (1')	WP			1056		2					008
8	Duplicate - 1	AR					1					007
9		TS										
10		OT										
11												
12												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*MS/MSD collected	Seidinger/Seidinger	2/4/16	1529	Marina Bonetti/Pace	2/4/16	15:29	0.72 Y
Level III QA/QC							
Client w/ice							

Pace Analytical

Client Name: SescoProject # SD137842Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ noDate/Time 5035A kits  
placed in freezerPacking Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other ZiplocThermometer 1 2 3 4 5 6 A B C D E FType of Ice: Wet Blue None ☒ Samples on ice, cooling process has begunCooler Temperature 0.7°C  
(Initial/Corrected)Ice Visible in Sample Containers: ☐ yes ☒ noDate and initials of person examining  
contents: MB 2/4/16

Temp should be above freezing to 6°C

Comments:

Are samples from West Virginia?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1.
Document any containers out of temp.		
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	7.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9. <u>WD-Exc-1-10(1): jar = 10:32 but COC = 10:27 MB</u>
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10 (Circle) HNO <sub>3</sub> H <sub>2</sub> SO <sub>4</sub> NaOH NaOH/ZnAc
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	<u>NA</u>	11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)	<u>NA</u>	12. Present Absent
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Headspace Wisconsin Sulfide	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: MMDate: 2/4/16

# Sample Container Count

CLIENT: Sesco Group

COC PAGE 1 of 1  
COC ID# 1957359

Project # 50137842

Sample Line Item	DG9H	AG1U	WG1U	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	pH <2	pH >9	pH >12
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

## Container Codes

Container Codes	40mL HCL	amber vial	AG0U	100mL unpreserved	amber glass	BP1N	1 liter HNO3	plastic	DG9P	40mL TSP	amber vial
DG9H	40mL HCL	amber vial	AG0U	100mL unpreserved	amber glass	BP1N	1 liter HNO3	plastic	DG9P	40mL TSP	amber vial
AG1U	1liter unpreserved	amber glass	AG1H	1 liter HCL	amber glass	BP1S	1 liter H2SO4	plastic	DG9S	40mL H2SO4	amber vial
WG1U	4oz clear soil jar		AG1S	1 liter H2SO4	amber glass	BP1U	1 liter unpreserved	plastic	DG9T	40mL Na Thio	amber vial
R	terra core kit		AG1T	1 liter Na Thiosulfate	amber glass	BP1Z	1 liter NaOH, Zn, Ac		DG9U	40mL unpreserved	amber vial
BP2N	500mL HNO3	plastic	AG2N	500mL HNO3	amber glass	BP2A	500mL NaOH, Asc Acid	plastic	SP5T	120mL Coliform Na Thiosulfate	
BP2U	500mL unpreserved	plastic	AG2S	500mL H2SO4	amber glass	BP2O	500mL NaOH	plastic	JGFU	4oz unpreserved	amber wide
BP2S	500mL H2SO4	plastic	AG2U	500mL unpreserved	amber glass	BP2Z	500mL NaOH, Zn Ac		U	Summa Can	
BP3N	250mL HNO3	plastic	AG3U	250mL unpreserved	amber glass	AF	Air Filter		VG9H	40mL HCL	clear vial
BP3U	250mL unpreserved	plastic	BG1H	1 liter HCL	clear glass	BP3C	250mL NaOH	plastic	VG9T	40mL Na Thio.	clear vial
BP3S	250mL H2SO4	plastic	BG1S	1 liter H2SO4	clear glass	BP3Z	250mL NaOH, Zn Ac	plastic	VG9U	40mL unpreserved	clear vial
AG3S	250mL H2SO4	glass amber	BG1T	1 liter Na Thiosulfate	clear glass	C	Air Cassettes		VSG	Headspace septa vial & HCL	
AG1S	1 liter H2SO4	amber glass	BG1U	1 liter unpreserved	glass	DG9B	40mL Na Bisulfate	amber vial	WGFH	4oz wide jar w/hexane wipe	
BP1U	1 liter unpreserved	plastic	BP1A	1 liter NaOH, Asc Acid	plastic	DG9M	40mL MeOH	clear vial	ZPLC	Ziploc Bag	