



735 North Water Street, Suite 510
Milwaukee, Wisconsin 53202
Phone (414) 224-8300
Fax (414) 224-8383

May 25, 2016

Ms. Jennifer Jambor-Raninen
Modus Design Group
8655 North 43rd Street
Brown Deer, Wisconsin

Via Email: Jennifer@DesignByModus.com

Reference: *Limited Site Assessment Report*
8655 N. 43rd Street
Brown Deer, Wisconsin
BRRTS# 02-41-550899

KEY ENGINEERING GROUP, LTD.
File No. 2604006

Dear Ms. Jambor-Raninen:

The purpose of this letter is to document the results of the limited site investigation performed at the above referenced site by Key Engineering Group, Ltd. (KEY).

SITE HISTORY

In January 2008, the Wisconsin Department of Natural Resources (WDNR) indicated a release discharged from the subject site had caused the contaminated soils and stressed vegetation on the adjacent west property owned by WE Energies.

“... the subject site needs to conduct a subsurface investigation to determine if there are soil and or groundwater impacts on the site which have migrated to the offsite impacted area. According to the WDNR there is a drain that leads from the building to the outlet where the impacts were detected”.

Based on information submitted to the DNR, there were detections of DRO, benzene, naphthalene, and PCBs detected in soil within the adjoining ditch.

A copy of the *Notice of Contamination* placed on the deed which was prepared by the WDNR is included as Appendix 1.

A site map depicting the approximate geographic location is presented as Figure 1. A site map depicting major site features and soil probe locations is presented as Figure 2.

INVESTIGATION ACTIVITIES

SOIL

On April 22, 2016, five soil probes (GP-1 through GP-5) were advanced on the property in and around the site structure. One surface soil sample (SS-1) was collected from the west adjacent WE Energies property within the apparent area previously sampled and indicated to be contaminated.

Soil probes were advanced to 8 to 14 feet below ground surface (bgs), the maximum depth due to the presence of auger refusal at each location, likely indicating bedrock.

Direct push technology was used to advance the probes. A 5-foot long stainless steel sampler with an acetate liner was driven to the desired sampling depth using stainless steel rods. Soil samples were collected and classified in the field in accordance with the Unified Soil Classification System. Each 2-foot soil sample interval was also field screened for the presence of volatile organic vapors using a photo-ionization detector (PID). No PID readings were observed in any of the soil samples collected during the site investigation. Nitrile gloves were used during sampling.

Two soil samples per boring were submitted for laboratory analysis. Soil samples were selected from the 2-4 feet bgs interval which represented the direct contact zone from all soil probe locations. Soil was also selected from GP-1 at 8-10 feet bgs, from GP-2 at 6-8 feet bgs, from GP-3 at 6-8 feet bgs, from GP-4 at 8-10 feet bgs and from GP-5 at 10-12 feet bgs.

Only surface soil samples were collected from SS-1 which was located in the WE Energies property. This sample was collected to determine what degree of impacts were present. We could not drill any borings outside the subject property. The intent of the site investigation was to determine if the subject site was significantly impacted and whether those impacts were potentially migrating offsite.

Samples were submitted under applicable chain of custody procedures to Pace Analytical Services Inc. (Pace) for analysis of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs).

Soils on site consist of silty clay with trace gravel. Occasional mottling and silt and gravel were identified in the clay. Auger refusal was encountered at each borehole location at depths between 8 and 14 feet below grade. It appears that bedrock is present and preventing further vertical exploration.

GROUNDWATER

One temporary groundwater well was installed at GP-1 and labeled as TW-1. Groundwater was encountered at a depth of about 9-10 feet. Due to probe refusal (potentially shallow bedrock), KEY was only able to install and sample one temporary well in the location of GP-1. One groundwater sample was collected from GP-1 and submitted to Pace for analysis of VOCs and PAHs.

Soil boring logs and borehole abandonment forms are presented in Attachment 2. Laboratory analytical report and chain of custody documentation are presented in Attachment 3.

SOIL INVESTIGATION RESULTS

Soil sample analytical results are summarized in Table 1. Below is a summary of the probe location, lithology and analytical results.

GP-1 was advanced to a depth of 12 feet bgs along the west wall of the site structure. Soils encountered included clay with trace amounts of silt and gravel. No VOCs, PAHs or PCBs were detected in soils analyzed from 2-4 feet and 8-10 feet in depth.

GP-2 was advanced to a depth of 8 feet bgs at a location north of the site structure. Soils encountered at GP-2 included clay with trace amounts of silt and gravel. No VOCs, PAHs or PCBs were detected in soils analyzed from 2-4 feet and 6-8 feet in depth.

GP-3 was advanced to a depth of feet bgs on the east side of the structure. Soils encountered included clay with silt and gravel to 8 feet bgs. No VOCs, PAHs or PCBs were detected in soils analyzed from 2-4 feet and 6-8 feet in depth.

GP-4 was advanced to 10 feet bgs in the north interior section of the site structure. Approximately 5 inches of concrete flooring and 4 inches of crushed stone subgrade were present at GP-4. Soils encountered beneath the

floor at GP-4 included silty gravel and silty clay with small gravel. No VOCs, PAHs or PCBs were detected in soils analyzed from 2-4 feet and 8-10 feet in depth.

GP-5 was advanced in the southern portion of the site structure in the area of the former floor drain. Soils encountered at GP-5 included silty gravel and silty clay with trace small gravel. No VOCs, PAHs or PCBs were detected in soils analyzed from 2-4 feet and 10-12 feet in depth.

One soil sample was collected in the area where the drainage had previously occurred onto the WE Energies property. Soils encountered at SS-1 included organic matter over silty clay. The soil sample was collected between 0.5 and 1.5 feet in depth. There were no VOCs detected in the soil sample.

Several PAHs were detected above their respective Non-Industrial Direct Contact Residual Contamination Levels (RCLs): benzo(a)pyrene at 1.5mg/kg, benzo(a)anthracene at 1.5mg/kg, benzo(b)fluoranthene at 1.2mg/kg, benzo(k)fluoranthene at 1.4mg/kg, chrysene at 1.8mg/kg, dibenzo(a,h)anthracene at 0.32mg/kg and indeno(1,2,3-cd)pyrene at 0.83mg/kg. Levels of benzo(a)pyrene, benzo(b)fluoranthene and chrysene, within SS-1, were also detected above their respective Protection of Groundwater RCLs.

GROUNDWATER RESULTS

Four PAH compounds were detected in the groundwater sample collected from TW-1; chrysene at 0.027J $\mu\text{g/L}$, fluoranthene at 0.096J $\mu\text{g/L}$, phenanthrene at 0.13J $\mu\text{g/L}$ and pyrene at 0.12J $\mu\text{g/L}$. Chrysene was detected above its Preventative Action Level (PAL) of 0.02 ug/l but below its Enforcement Standard (ES) of 0.2 ug/l. The results were J-Flagged by the laboratory. No VOCs were detected in TW-1.

There were no VOCs detected in the groundwater sample.

The laboratory reports and chain of custody documentation are presented in Attachment 3.

CONCLUSIONS

Based on the soil data, there were no indications that a release has occurred at the subject site. The soils analyzed within the subject site building where the apparent source of the off-site release was suggested, did not register any impacts. In addition, soil samples analyzed from other locations around the site did not register any detectable concentrations of VOCs or PAHs. In addition, the PCBs which were detected in the ditch where the release was suggested were not detected at any boring location on the subject site.

The sample collected from the ditch area where the drain was identified, did indicate PAHs in soils. There were however no PCBs detected in this soils sample. In addition, there were no VOCs detected.

Low level PAH contamination was detected in groundwater collected from the east side of the subject site. Only one compound exceeded its PAL groundwater quality standard. Since this sample was collected from a temporary well, it would be expected to be biased high due to likely sedimentation present in the sample. It is likely that a groundwater quality sample would provide groundwater results below applicable standards.

It appears that the impacts which were identified in the WE Energies property, are likely limited to the area where the drainage occurred during historical building operations.

RECOMMENDATIONS

The WDNR may require that the extent of the impacts within the WE Energies site be determined. In order to conduct work within the area, an off-site access will need to be obtained. It is our opinion that this information be submitted to the WDNR and a discussion with them occur to determine the appropriate action to address this release. There were minimal groundwater impacts detected in the temporary well, however we do not believe this is related to the drain which extends to the west. The groundwater data was detected to the east. The source of this could be related to various fill materials present at the site. There were no PAH detections in the soils.

QUALIFICATIONS

Our assessment was performed using the degree of care and skill ordinarily exercised under similar circumstances, by environmental consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and recommendations included in this report.

The findings of this assessment, to the best of knowledge, are valid as of the date of this assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge or from other reasons. Accordingly, the findings of this assessment may be invalidated wholly or partially by changes outside our control.

Specified information contained in this report has been obtained from secondary sources produced by entities other than Key Engineering Group, Ltd. Although care has been taken by Key Engineering Group, Ltd., in compiling this information, Key Engineering Group, Ltd., disclaims any and all liability for any errors, omissions or inaccuracies of the third parties in such in disclaims formation and data.

Please feel free to call us at (414) 224-8300 if you have any questions regarding this Phase II ESA report.

Sincerely,

KEY ENGINEERING GROUP, LTD.



Jason M. Kruchko, LEED GA
Operation Manager



Kenneth W. Wein, CHMM
Principal

Table 1	Summary of Soil Sample Analytical Results
Table 2	Summary of Groundwater Sample Analytical Results
Figure 1	Site Location Map
Figure 2	Soil Probe Locations
Attachment 1	WDNR Notice of Contamination
Attachment 2	Soil Boring Logs and Borehole Abandonment Forms
Attachment 3	Pace Analytical Laboratory Report

Table 1

Table 1
Soil Analytical Results
8655 N. 43rd St.
Milwaukee, Wisconsin

PARAMETERS	Sample ID											EPA Web Calculator Values	
	GP-1/TW-1		GP-2		GP-3		GP-4		GP-5		SS-1	Non-Industrial Direct Contact RCL (mg/kg)	Protection of Groundwater RCL (mg/kg)
	4/22/2016		4/22/16		4/22/16		4/22/16		4/22/16		4/22/16		
Date Collected	4/22/2016		4/22/16		4/22/16		4/22/16		4/22/16		4/22/16		
Depth (feet bgs)	2-4	8-10	2-4	6-8	2-4	6-8	2-4	8-10	2-4	10-12	0.5-1.5		
Saturated(s)/Unsaturated(u)	u	u	u	u	u	u	u	u	u	u	u		
Detected VOCs (mg/kg)													
Benzene	<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.49	0.0051
Bromobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	354	---
Bromochloromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	232	---
Bromodichloromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.39	0.0003
Bromoform	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	23.6	0.0023
Bromomethane	<0.070	<0.070	<0.070	<0.025	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	10.3	0.0051
n-Butylbenzene	<0.025	<0.025	<0.025	<0.070	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	108	---
sec-Butylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	145	---
tert-Butylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	183	---
Carbon Tetrachloride	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.854	0.0039
Chlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	392	---
Chloroethane	<0.067	<0.067	<0.067	<0.025	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	---	0.2266
Chloroform	<0.046	<0.046	<0.046	<0.067	<0.046	<0.046	<0.046	<0.046	<0.046	<0.046	<0.046	0.423	0.0033
Chloromethane	<0.025	<0.025	<0.025	<0.046	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	171	0.0155
2-Chlorotoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	---	---
4-Chlorotoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	---	---
1,2-Dibromo-3-chloropropane	<0.091	<0.091	<0.091	<0.025	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	0.008	0.0002
Dibromochloromethane	<0.025	<0.025	<0.025	<0.091	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	7.6	0.032
1,2-Dibromoethane (EDB)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.047	---
Dibromomethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	36.6	---
1,2-Dichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	376	1.168
1,3-Dichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	297	1.1528
1,4-Dichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	3.48	0.144
Dichlorodifluoromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	135	3.0863
1,1-Dichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	4.72	0.4834
1,2-Dichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.608	0.0028
1,1-Dichloroethene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	342	0.005
cis-1,2-Dichloroethene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	156	0.0412
trans-1,2-Dichloroethene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1560	0.0626
1,2-Dichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.33	0.0033
1,3-Dichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1490	---
2,2-Dichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	191	---
1,1-Dichloropropene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	---	---
cis-1,3-Dichloropropene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1210	0.0003
trans-1,3-Dichloropropene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1510	0.0003
Di-isopropyl ether	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	2260	---
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	7.47	1.57
Hexachlorobutadiene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.51	---
Isopropylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	---	---
p-Isopropyltoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	162	---
Methylene chloride	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	60.7	0.0026
Methyl tert-butyl ether (MTBE)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	59.4	0.027
Naphthalene	<0.040	<0.040	<0.040	<0.025	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	5.15	0.6582
n-Propylbenzene	<0.025	<0.025	<0.025	<0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	---	---
Styrene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	867	0.22
1,1,1,2-Tetrachloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	2.59	0.0534
1,1,2,2-Tetrachloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.753	0.0002
Tetrachloroethene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	30.7	0.0045
Toluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	818	1.1072
1,2,3-Trichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	62.6	---
1,2,4-Trichlorobenzene	<0.048	<0.048	<0.048	<0.025	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	22	0.408
1,1,1-Trichloroethane	<0.025	<0.025	<0.025	<0.048	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	640	0.1402
1,1,2-Trichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.48	0.0032
Trichloroethene (TCE)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.26	0.0036
Trichlorofluoromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1230	4.4775
1,2,3-Trichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.005	0.0519
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	89.8	---
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	182	---
Trimethylbenzenes	<0.075	<0.075	<0.075	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	---	1.3821
Vinyl Chloride	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.067	0.0001
m&p-Xylene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	---	---
o-Xylene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	---	---
Xylenes	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	260	3.96
Detected PAHs (mg/kg)													
Acenaphthene	<0.011	<0.0098	<0.012	<0.0087	<0.011	<0.0096	<0.0						

Table 2

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY TABLE

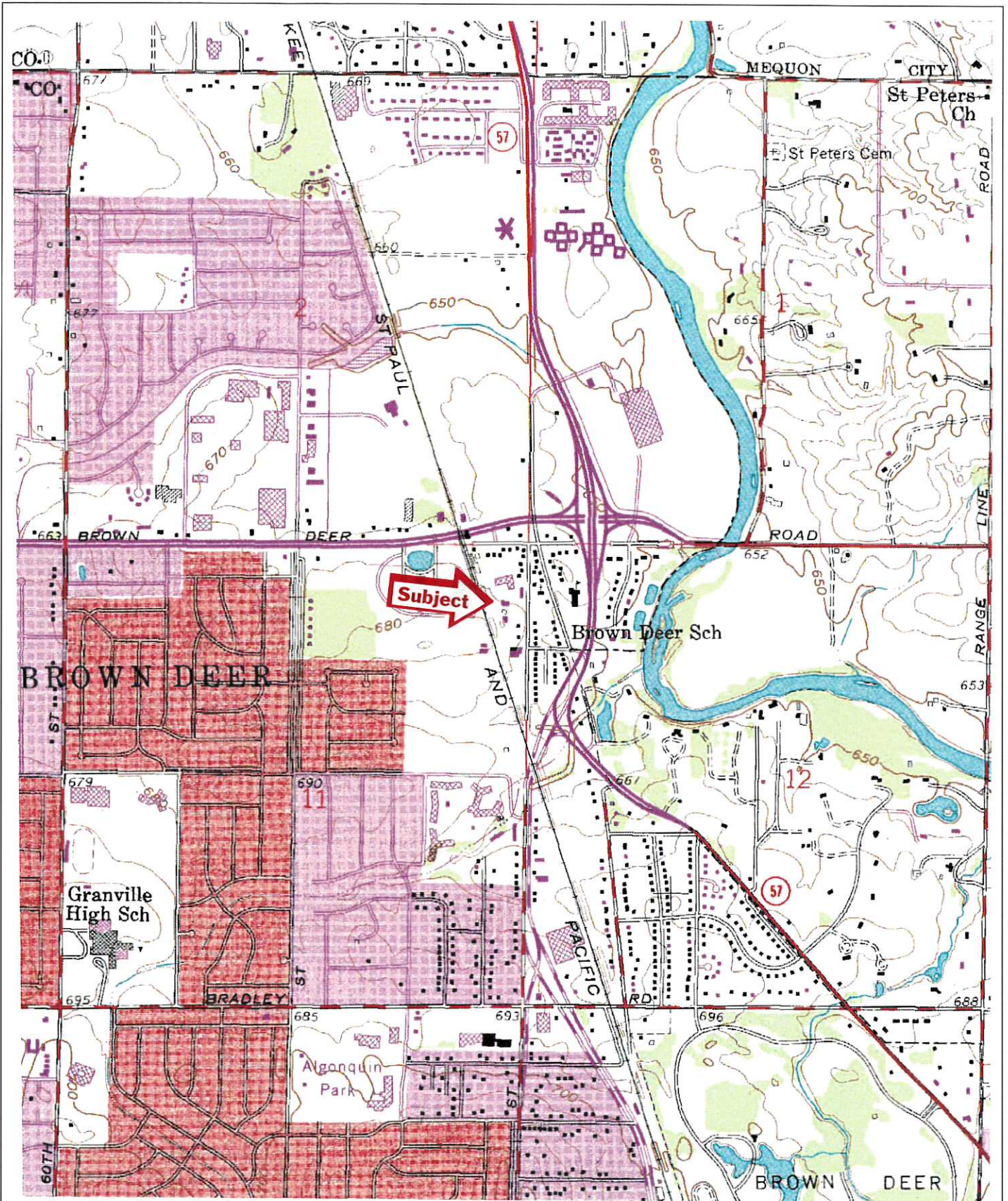
8655 N. 43rd St.
Brown Deer, Wisconsin

PARAMETERS	SAMPLE IDENTIFICATION TW-1/GP-1	NR 140	
		ES	PAL
Date Collected	4/22/16	---	---
Detected VOCs (µg/l)			
Acetone	---	9000	1800
Benzene	<0.50	5	0.5
Bromobenzene	<0.23	---	---
Bromochloromethane	<0.34	---	---
Bromodichloromethane	<0.50	0.6	0.06
Bromoform	<0.50	4.4	0.44
Bromomethane	<2.4	10	1
n-Butylbenzene	<0.50	---	---
sec-Butylbenzene	<2.2	---	---
tert-Butylbenzene	<0.18	---	---
Carbon tetrachloride	<0.50	5	0.5
Chlorobenzene	<0.50	---	---
Chloroethane	<0.37	400	80
Chloroform	<2.5	6	0.6
Chloromethane	<0.50	30	3
2-Chlorotoluene	<0.50	---	---
4-Chlorotoluene	<0.21	---	---
1,2-Dibromo-3-chloropropane	<2.2	0.2	0.02
Dibromochloromethane	<0.50	60	6
1,2-Dibromoethane	<0.18	0.05	0.005
Dibromomethane	<0.43	---	---
1,2-Dichlorobenzene	<0.50	600	60
1,3-Dichlorobenzene	<0.50	600	120
1,4-Dichlorobenzene	<0.50	75	15
Dichlorodifluoromethane	<0.22	1000	200
1,1-Dichloroethane	<0.24	850	85
1,2-Dichloroethane	<0.17	5	0.5
1,1-Dichloroethene	<0.41	7	0.7
cis-1,2-Dichloroethene	<0.26	70	7
trans-1,2-Dichloroethene	<0.26	100	20
1,2-Dichloropropane	<0.23	5	0.5
1,3-Dichloropropane	<0.50	---	---
2,2-Dichloropropane	<0.48	---	---
1,1-Dichloropropene	<0.44	---	---
cis-1,3-Dichloropropene	<0.50	0.4	0.04
trans-1,3-Dichloropropene	<0.23	0.4	0.04
Diisopropyl ether	<0.50	---	---
Ethylbenzene	<0.50	700	140
Hexachloro-1,3-butadiene	<2.1	---	---
Isopropylbenzene	<0.14	---	---
p-Isopropyltoluene	<0.50	---	---
Methylene Chloride	<0.23	5	0.5
Methyl-tert-butyl ether	<0.17	60	12
Naphthalene	<2.5	100	10
n-Propylbenzene	<0.50	---	---
Styrene	<0.50	100	10
1,1,1,2-Tetrachloroethane	<0.18	70	7
1,1,2,2-Tetrachloroethane	<0.25	0.2	0.02
Tetrachloroethene	<0.50	5	0.5
Toluene	<0.50	800	160
1,2,3-Trichlorobenzene	<2.1	---	---
1,2,4-Trichlorobenzene	<2.2	70	14
1,1,1-Trichloroethane	<0.50	200	40
1,1,2-Trichloroethane	<0.20	5	0.5
Trichloroethene	<0.33	5	0.5
Trichlorofluoromethane	<0.18	3,490	698
1,2,3-Trichloropropane	<0.50	60	12
1,2,4-Trimethylbenzene	<0.50	---	---
1,3,5-Trimethylbenzene	<0.50	---	---
Trimethylbenzenes	<0.075	480	96
Vinyl chloride	<0.18	0.2	0.02
o/m&p-Xylenes	<1.50	2,000	400
PAHs (µg/l)			
Acenaphthene	<0.028	---	---
Acenaphthylene	<0.027	---	---
Anthracene	<0.022	3,000	600
Benzo(a)anthracene	<0.028	---	---
Benzo(a)pyrene	<0.025	0.2	0.02
Benzo(b)fluoranthene	<0.030	0.2	0.02
Benzo(g,h,i)perylene	<0.019	---	---
Benzo(k)fluoranthene	<0.031	---	---
Chrysene	0.027J	0.2	0.02
Dibenzo(a,h)anthracene	<0.031	---	---
Fluoranthrene	0.096J	400	80
Fluorene	<0.022	400	80
Indeno(1,2,3-cd)pyrene	<0.020	---	---
1-Methyl Naphthalene	<0.017	---	---
2-Methyl Naphthalene	<0.015	---	---
Naphthalene	<0.025	100	10
Phenanthrene	0.13J	---	---
Pyrene	0.12J	250	50

Notes:

Bold concentrations exceed NR 140 ES
 Italicized concentrations exceed NR 140 PAL
 --- - not analyzed, not applicable or no standard established
 ES - enforcement standard
 J - Results between the limit of detection and limit of quantitation
 PAHs - polynuclear aromatic hydrocarbons
 PAL - preventive action limit
 µg/l - micrograms per liter
 VOCs - volatile organic compounds

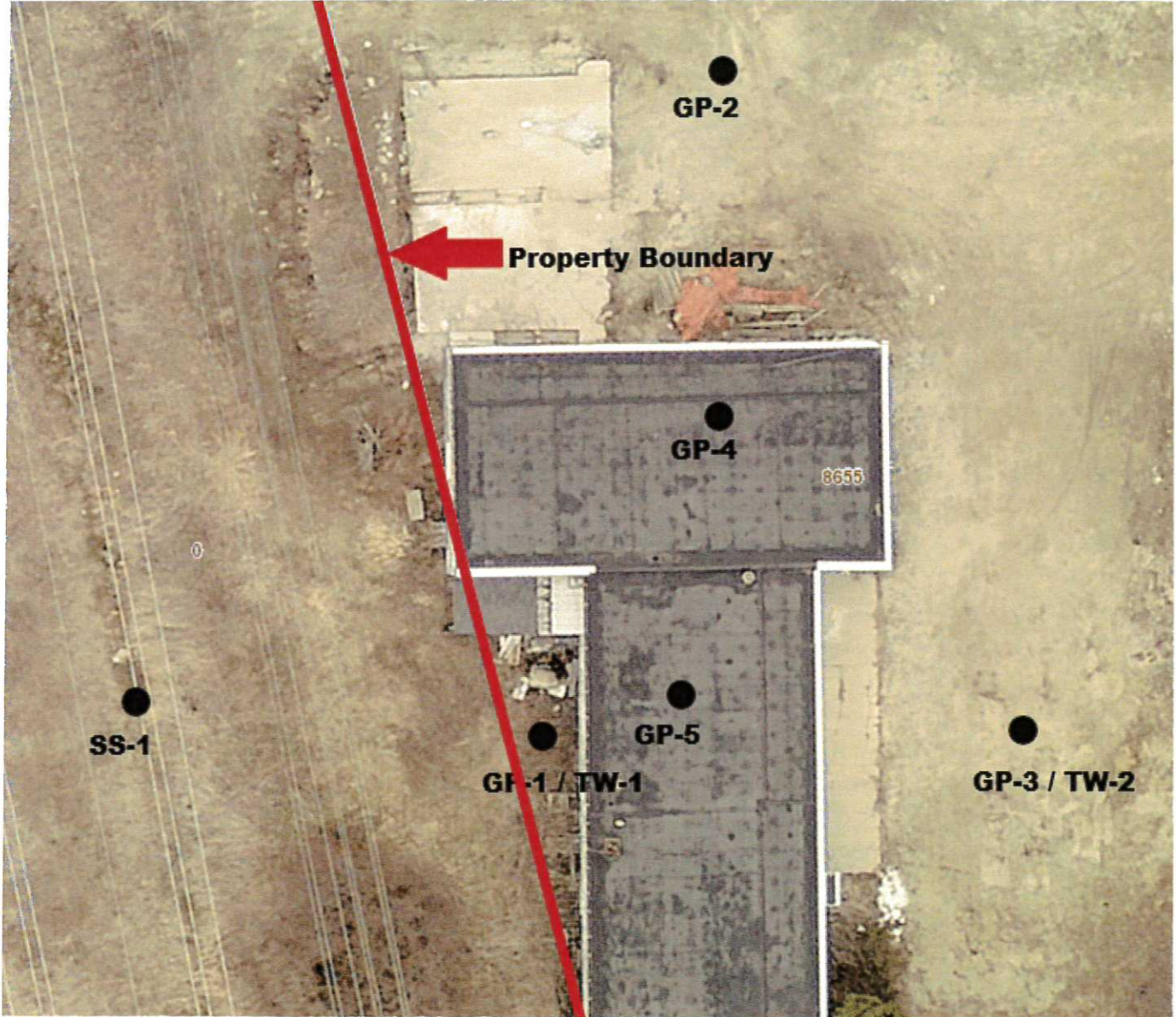
Figures



Location: Brown Deer, WI	Map Year:
Project: 1604-0240	Date: 5/19/16
	Scale:
	Series:

FIGURE 1
 SITE LOCATION MAP
 8655 N. 43RD STREET
 BROWN DEER, WISCONSIN





Location: Brown Deer, Wisconsin	Map Year:
Project: 1604-0240	Date: 5/19/16
	Scale: 1:24000
	Series: 7.5'

FIGURE 2
 SITE DETAIL MAP
 8655 N. 43RD STREET
 BROWN DEER, WISCONSIN



Attachment I



* 1 0 2 1 2 1 1 7 *

DOC.# 10212117

RECORDED 02/04/2013 01:27PM
JOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: 30.00
FEE EXEMPT #:

Document Number

NOTICE OF CONTAMINATION

Legal Description of the Property:

Certified Survey Map No. 2322, NE Section 11, Township 8, Range 21E,
Parcel 1

STATE OF WISCONSIN,

COUNTY OF Milwaukee

Recording Area

Name and Return Address:

John J, Hnat, CPG, PG
Wisconsin Dept. of Natural Resources
2300 Dr M L King Dr
Milwaukee, WI 53212

0479987001

Parcel Identification Number (PIN)

I, Pamela A. Mylotta, being first duly sworn, state that:

1. I am a Remediation and Redevelopment Program Supervisor, employed by the Wisconsin Department of Natural Resources (hereinafter "the Department") at its Southeast Regional Office in Milwaukee, Wisconsin.
2. John J. Hnat, Project Manager/Hydrogeologist, employed by the Wisconsin Department of Natural Resources at its Southeast Regional Office in Milwaukee, Wisconsin, has personal knowledge of the facts herein set forth and believes the same to be true.
3. Based on information submitted to the Department, the Department has determined that contaminants discharged from the Bella Landscaping, LLC (formerly Hillcrest Landscaping) property to the adjacent WE Energy property, located at 8655 North 43rd Street, in the City of Brown Deer, County of Milwaukee, Wisconsin, which has the above legal description, has contaminated soil and stressed vegetation in the vicinity of a wood pile on the west side property line for hazardous wastes, as shown on the attached site map (Exhibit A) and photographs (Exhibit B, C, and D). Three soil boring locations (Exhibit "A") were analyzed for volatile organic compounds at the six-inch and one-to-two feet below ground surface. Laboratory analysis indicated the following results:
 - Diesel Range Organics (DRO) at the six-inch depth ranged from 340 to 13,000 parts per million (ppm) that is above the Chapter NR 720.09(4)(a), Wisconsin Administrative Code, soil cleanup standard of 100 ppm (subd. 1) and 250 ppm (subd. 2).

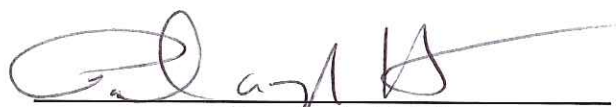
In Re: Property Located in the
City of Brown Deer, Milwaukee County, Wisconsin
Described above.

- Diesel Range Organics (DRO) at the one-to-two foot depth ranged from 640 to 2,300 ppm) that is above the Chapter NR 720.09(4)(a), Wisconsin Administrative Code, soil cleanup standard of 100 ppm (subd. 1) and 250 ppm (subd. 2).
 - Soil analysis indicates Benzene is above the Chapter NR 720, Wisconsin Administrative Code, Table 1, residual contaminant level based on protection of groundwater of 5.5 ppb. Benzene occurs at 56 ppb at the one-to-two foot depth.
 - Naphthalene (1,200 ppb) is above the soil cleanup level for Polycyclic Aromatic hydrocarbons (PAHs) groundwater pathway value of 0.4 ppm.
 - Evidence of Polychlorinated Biphenyls (PCBs) Aroclor 1254 (43 ppb to 60 ppb) and Aroclor 1260 (22 ppb) were analyzed in two of the three soil samples.
4. The Wisconsin Department of Natural Resources BRRTS number for this site is 02-41-550899, and the FID number is 341156860.
 5. On October 5, 2007, WE Energies notified Scott Ferguson, Southeast Region Spill Coordinator, of the Wisconsin Department of Natural Resources ("the Department") of contamination being discharged onto their right-of-way from the Bella Landscaping property. The analytical results submitted by WE Energies indicated that Aroclor 1254 and 1260 (PCBs), trimethylbenzene (TMBs), naphthalene, xylenes, benzene, and ethylbenzene have contaminated the soil.
 6. On January 23, 2008, Scott Ferguson notified the Redevelopment and Remediation Section of the Department of the discharge. A Responsible Party letter was sent to Hillcrest Landscaping, attention to Richard Briere, Registered Agent at 8655 North 43rd Street, Brown Deer Wisconsin on February 5, 2008.
 7. On June 4, 2009, the Department sent a certified letter (No. 7007 3020 0000 6917 8556) to Hillcrest Landscaping at 8655 North 43rd Street Brown Deer, Wisconsin reminding them of their legal responsibilities to restore the environment to the extent practicable and minimize the harmful effects from the discharge. The letter also instructed them to provide the name of their environmental consultant that would conduct an environmental site investigation, the work plan and schedule. On June 11, 2009, the Department received the returned certified letter marked "Return to Sender Refused Unable to Forward" stamped on the letter. Online researching of the address for the property resulted in a new owner of the property called Bella Landscaping, LLC.
 8. On June 11, 2009, the Department sent a certified letter (No. 7007 3020 0000 6917 8556) to Bella Landscaping at 8655 North 43rd Street Brown Deer, Wisconsin describing their legal responsibilities under the hazardous spill law, Section 292.11(3) Wisconsin Statutes. The letter also instructed them to provide the name of their environmental consultant that would conduct an environmental site investigation, the work plan and schedule.
 9. On July 9, 2009, BT², Inc. notified the Department that they had been contracted by Bella Landscaping as their environmental consultant.
 10. On September 22, 2009, Christine Straate, Owner and CEO, of Bella Landscaping, notified the Department with a Work Plan and Schedule that would be completed within one month's time.
 11. On August 9, 2012, the Department sent a certified (No. 7010 1670 0002 3141 2906) Notice of

In Re: Property Located in the
City of Brown Deer, Milwaukee County, Wisconsin
Described above.

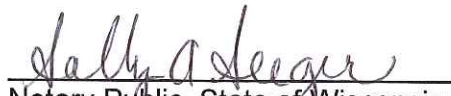
Noncompliance letter to Bella Landscaping to the attention of Christine Straate located at 8655 North 43rd Street Brown Deer, Wisconsin, reminding them that the Department had not received any information on the site investigation and/or remediation of the property. The Department also requested that within 30-days on receipt of the letter, a work plan, schedule, and start date with the required review fee for document review. This letter was returned to the Department marked, "Unclaimed" with three attempts by the US Postal Service on August 8, August 16, and August 27, 2012.

- 12. On October 17, 2012, the Department sent a Notice of Violation to Christine Straate, Registered Agent for Bella Landscaping located at 8655 North 43rd Street Brown Deer, Wisconsin, requesting an Enforcement Conference.
- 13. On November 19, 2012, the Department discussed the Notice of Violation with Christine Straate, Registered Agent. The Property is in the process of foreclosure and Bella Landscaping is no longer a viable business. The Department informed the Registered Agent that a Deed Affidavit would be filed at the Registered of Deeds Office in Milwaukee County.
- 14. The Department believes that the above-described contamination currently found in the soil on the Property with the above legal description will require subsequent purchasers of the Property to maintain a cap under 292.12, Wisconsin Statutes, to prevent exposure to contaminated soil and infiltration into the groundwater.

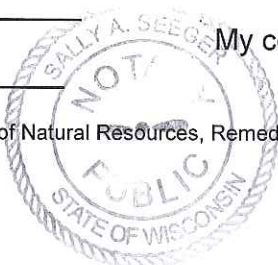


 Pamela A. Mylotta

Subscribed and sworn to before me this January day of 2, 2013.

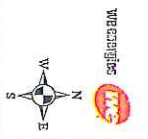
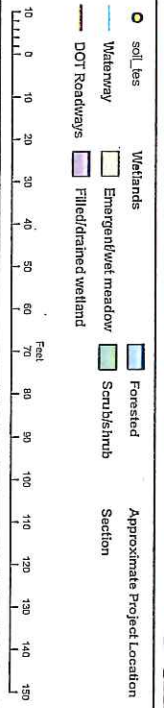


 Notary Public, State of Wisconsin
 Milwaukee County



My commission expires on: May 23, 2016

Exhibit "A"



Hillcrest Property
 Exhibit # 2A: General Location and Aerial View
 Source: Southeastern Wisconsin Yr. 2005 Photomapper
 WDNR Mapped Wetland Inventory
 WDNR Waterways
 AHS 9/21/2007



View to the southeast, west side of 8655 N. 43rd Street.
Discharge area visible in the center of the photo.



View directly to the east, looking at the west side of 8655 43rd Street.
Discharge area in the middle of the photo.



View to the southeast, west side of 8655 N. 43rd Street.
Shows flow of discharge from under the bark and debris to the west, and then southward along east side of ROW.



View to the south along east side of ROW.



View to the east from ROW of the discharge area.
Some petroleum odor, and staining of bark and vegetation. No visible oil sheen.



View to the east.
Water in the ditch dug away from the discharge point.

Attachment 2

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name Brown Deer		License/Permit/Monitoring Number		Boring Number EP-1/TW-1	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Dan Last Name: Fisher Firm: Horizon		Date Drilling Started 04/22/2016 m m d d / y y y y	Date Drilling Completed 04/22/2016 m m d d / y y y y	Drilling Method Direct Push	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane _____ N, _____ E		Local Grid Location	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Lat _____ ° _____ ' _____ "		Long _____ ° _____ ' _____ "	
Facility ID		County Milwaukee	County Code 41	Civil Town/City/or Village Village of Brown Deer	

Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				4" silt/clay, trace med. gravel, black				0.1						
	48			44" clay w/ trace silt, soft w/ trace small gravel, tan/brown				0.1	2					
			5					0.1	4					
	48			48" silt/clay, brown w/ orange mottling				0.3	6					
								0.2	8					
	24		10	24" silt/clay, tan w/ trace gravel				0.1	10					
			12	WE.O.B@12'					12					

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Canne	Firm KEY Engineering
---------------------------	--------------------------------

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name <u>Brown Deer</u>		License/Permit/Monitoring Number	Boring Number <u>BP-2</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>Dan</u> Last Name: <u>Fisher</u> Firm: <u>Horton</u>		Date Drilling Started <u>04/22/2016</u> m m d d y y y y	Date Drilling Completed <u>04/22/2016</u> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <u>Direct Push</u>
		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
			Borehole Diameter <u>2</u> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane _____ N, _____ E		Lat _____ " _____ "	
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Long _____ " _____ "	
Facility ID		County <u>Milwaukee</u>	County Code <u>41</u>
		Civil Town/City/ or Village <u>Village of Brown Deer</u>	

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
		<u>60</u>			<u>2" crushed gravel</u> <u>58" clay w/silt, tough w/ trace gravel, brown/grey</u>				<u>0.1</u>						
				<u>5</u>					<u>0.1</u>						
		<u>36</u>			<u>36" clay w/silt w/ med gravel trace w/ orange mottling, tan</u>				<u>0.1</u>						
				<u>8</u>					<u>0.1</u>						
					<u>LOE.O.B.@ 8' w/ refusal</u>										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Cullen Firm RFA Engineering

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name <u>Braun Deer</u>		License/Permit/Monitoring Number		Boring Number <u>BP-3</u>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>Don</u> Last Name: <u>Fisher</u> Firm: <u>Horizon</u>		Date Drilling Started <u>04/22/2016</u> m m d d y y y y	Date Drilling Completed <u>04/22/2016</u> m m d d y y y y	Drilling Method <u>Direct Push</u>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>2</u> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Lat <u>0</u> ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ "		
Facility ID	County <u>Milwaukee</u>	County Code <u>41</u>	Civil Town/City/ or Village <u>Village of Braun Deer</u>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				12" crushed rock/gravel w/silt				1.0							
				10" clay w/silt, trace small gravel, dark brown				2							
				38" clay w/silt, trace med gravel, brown tan				4							
			5	24" clay w/silt, trace med gravel, brown w/orange mottling				6							
			8	LDE.O. @ 8' w/ refusal				8							

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Camer Firm KEY Engineering

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name <u>Braen Deer</u>		License/Permit/Monitoring Number		Boring Number <u>BP-4</u>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>Dan</u> Last Name: <u>Fisher</u> Firm: <u>Horizon</u>		Date Drilling Started <u>04, 22, 2016</u> m m d d y y y y	Date Drilling Completed <u>04, 22, 2016</u> m m d d y y y y	Drilling Method <u>Direct Push</u>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>2</u> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane <u>N</u> , <u>E</u>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of <u> </u> 1/4 of Section <u> </u> , T <u> </u> N, R <u> </u>		Lat <u>0</u> ' "		Long <u>0</u> ' "	
Facility ID	County <u>Milwaukee</u>	County Code <u>41</u>	Civil Town/City/ or Village <u>Village of Braen Deer</u>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
60			5	4" crushed rock				0.1						
				24" silt w/ med gravel dark brown				0.1	2					
60			10	32" clay w/ silt w/ trace gravel, brown				0.1	4					
				24" clay w/ trace silt, tough, brown				0.1	6					
				12" clay w/ silt, trace gravel, brown				0.1	8					
				24" silt w/ clay w/ trace gravel, tan brown				0.1	10					
				UDE.O.BC 10' w/ refusal										

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Camer Firm KEY Engineering

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name <u>Brown Deer</u>		License/Permit/Monitoring Number	Boring Number <u>BP-5</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>Dan</u> Last Name: <u>Fisher</u> Firm: <u>Horizon</u>		Date Drilling Started <u>04,22,2016</u> m m d d y y y y	Date Drilling Completed <u>04,22,2016</u> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <u>Direct Push</u>
		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
			Borehole Diameter <u>2</u> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane _____ N, _____ E		_____ Feet <input type="checkbox"/> N <input type="checkbox"/> E	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		_____ Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	
Facility ID	County <u>Milwaukee</u>	County Code <u>41</u>	Civil Town/City/ or Village <u>Village of Brown Deer</u>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
36				6" clay w/ silt, ultra small gravel, dark brown				0	2					
				30" clay w/ silt, ultra small gravel, red/brown			2							
48			5	6" clay w/ silt, ultra small gravel, red/brown				0	6					
				4" silt w/ clay, trace gravel, brown			2							
42				38" clay w/ trace gravel, brown w/ orange mottling				8	10					
				3" crushed rock			0							
			10	39" silt w/ trace small gravel, orange tan w/ orange mottling				10	12					
			14	14" DE. O. BE 14" w/ refusal				14						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Cleme Firm KEY Engineering

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County <u>Milwaukee</u>		WI Unique Well # of Removed Well		Hicap #		Facility Name <u>Brown Deer</u>	
Latitude / Longitude (see instructions) N _____ W _____		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS)	
1/4 / 1/4 or Gov't Lot #		Section		Township N		Range <input type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <u>8655 North 43rd St.</u>		Well City, Village or Town <u>Village of Brown Deer</u>		Well ZIP Code		License/Permit/Monitoring # <u>GP-1/HW-1</u>	
Subdivision Name		Lot #		Original Well Owner		Present Well Owner	
Reason for Removal from Service		WI Unique Well # of Replacement Well		Mailing Address of Present Owner		City of Present Owner	
						State	
						ZIP Code	

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <u>04/22/2016</u>		Pump and piping removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole				Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type:				Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): <u>Direct Push</u>				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Formation Type:				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.) <u>12</u>		Casing Diameter (in.) <u>2</u>		If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) <u> </u>		Casing Depth (ft.) <u> </u>		If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown				Required Method of Placing Sealing Material	
If yes, to what depth (feet)? <u> </u>		Depth to Water (feet) <u> </u>		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <u>gravity</u>	

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Bentonite Chips</u>	<u>Surface</u>	<u>12</u>	<u>0.269</u>	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing <u>KBY Engineering</u>			License #		Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>04/22/2016</u>		DNR Use Only	
Street or Route <u>735 N. Water St. Suite 510</u>			Telephone Number <u>(414) 224 8300</u>		Date Received		Noted By	
City <u>Milwaukee</u>			State <u>WI</u>		ZIP Code <u>53202</u>		Comments	
Signature of Person Doing Work <u>[Signature]</u>			Date Signed <u>04/22/2016</u>					

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County <u>Milwaukee</u>		WI Unique Well # of Removed Well		Hicap #		Facility Name <u>Brown Deer</u>	
Latitude / Longitude (see instructions)		Format Code		Method Code		Facility ID (FID or PWS) <u>EP 2</u>	
N W		<input type="checkbox"/> DD <input type="checkbox"/> DDM		<input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		License/Permit/Monitoring #	
1/4 / 1/4		Section		Township		Original Well Owner	
or Gov't Lot #		N		Range <input type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner	
Well Street Address <u>8655 N. 43rd St.</u>							
Well City, Village or Town <u>Village of Brown Deer</u>				Well ZIP Code			
Subdivision Name				Lot #			
Reason for Removal from Service				WI Unique Well # of Replacement Well			

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <u>04/22/2016</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole				Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type:				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): <u>Direct Push</u>				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Formation Type:				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.) <u>8</u>		Casing Diameter (in.) <u>2</u>		If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown				Required Method of Placing Sealing Material	
If yes, to what depth (feet)?		Depth to Water (feet)		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <u>gravity</u>	

5. Material Used to Fill Well / Drillhole		From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Bentonite chips</u>		Surface	<u>8</u>	<u>0.176</u>	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing <u>K E Y Engineering</u>			License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>04/22/2016</u>	DNR Use Only	
Street or Route <u>735N Water St. Suite 510</u>			Telephone Number <u>(414) 224 8300</u>		Date Received	Noted By
City <u>Milwaukee</u>			State <u>WI</u>	ZIP Code <u>53202</u>	Comments	
Signature of Person Doing Work <u>Camer</u>					Date Signed <u>04/22/2016</u>	

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information			2. Facility / Owner Information		
County <u>Milwaukee</u>	WI Unique Well # of Removed Well	Hicap #	Facility Name <u>Brown Deer</u>		
Latitude / Longitude (see instructions)		Format Code	Facility ID (FID or PWS)		
_____ N		<input type="checkbox"/> DD	_____		
_____ W		<input type="checkbox"/> DDM	License/Permit/Monitoring # <u>AP-3</u>		
1/4 / 1/4	1/4	Section	Township	Range	Original Well Owner
or Gov't Lot #			<u>N</u>	<input type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <u>8655 N. 43rd St.</u>			Present Well Owner		
Well City, Village or Town <u>Village of Brown Deer</u>			Mailing Address of Present Owner		
Subdivision Name			Lot #	City of Present Owner	State ZIP Code

3. Filled & Sealed Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material	
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	<u>04/22/2016</u>	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.	Liner(s) perforated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): <u>Direct Push</u>	<input type="checkbox"/> Dug	Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<u>8</u>	<u>2</u>	If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Depth to Water (feet)	<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <u>gravity</u>	
If yes, to what depth (feet)?		Sealing Materials	
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips	
		For Monitoring Wells and Monitoring Well Boreholes Only:	
		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used to Fill Well / Drillhole		From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Bentonite Chips</u>		Surface	<u>8</u>	<u>0.176</u>	

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>KEY Engineering</u>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>04/22/2016</u>	Date Received	Noted By
Street or Route <u>735 N. Water St. Suite</u>		Telephone Number <u>(414) 224 8500</u>	Comments	
City <u>Milwaukee</u>	State <u>WI</u>	ZIP Code <u>53202</u>	Signature of Person Doing Work <u>Calmer</u>	Date Signed <u>04/22/2016</u>

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County <u>Milwaukee</u>		WI Unique Well # of Removed Well		Hicap #		Facility Name <u>Brown Deer</u>	
Latitude / Longitude (see instructions)		Format Code		Method Code		Facility ID (FID or PWS)	
_____ N		<input type="checkbox"/> DD		<input type="checkbox"/> GPS008		License/Permit/Monitoring # <u>GP-4</u>	
_____ W		<input type="checkbox"/> DDM		<input type="checkbox"/> SCR002			
		<input type="checkbox"/> OTH001					
1/4 / 1/4		Section		Township		Original Well Owner	
or Gov't Lot #				Range <input type="checkbox"/> E		Present Well Owner	
				<input type="checkbox"/> W		Mailing Address of Present Owner	
Well Street Address <u>8455 N. 43rd St.</u>				City of Present Owner			
Well City, Village or Town <u>Wlk of Brown Deer</u>				State			
Subdivision Name				ZIP Code			
Reason for Removal from Service				WI Unique Well # of Replacement Well			

3. Filled & Sealed Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material	
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	<u>04/24/2014</u>	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.	Liner(s) perforated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): <u>Direct Push</u>	<input type="checkbox"/> Dug	Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<u>10</u>	<u>2</u>	If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown		<input type="checkbox"/> Screened & Poured (Bentonite Chips)	<input checked="" type="checkbox"/> Other (Explain): <u>gravity</u>
If yes, to what depth (feet)?	Depth to Water (feet)	Sealing Materials	
		<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Concrete
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite Chips
		For Monitoring Wells and Monitoring Well Boreholes Only:	
		<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Bentonite chips</u>	Surface	<u>10</u>	<u>0.220</u>	

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>K&E Engineers</u>		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>04/22/2014</u>	Date Received	Noted By
Street or Route <u>735N. West St. Suite 510</u>		Telephone Number <u>(414) 224 8300</u>		Comments	
City <u>Milwaukee</u>	State <u>WI</u>	ZIP Code <u>53202</u>	Signature of Person Doing Work <u>[Signature]</u>	Date Signed <u>04/22/2014</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County <u>Milwaukee</u>	WI Unique Well # of Removed Well	Hicap #
Latitude / Longitude (see instructions)	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
1/4 / 1/4 or Gov't Lot #	Section	Township
Well Street Address <u>8655 N. 43rd St.</u>	Well ZIP Code	Well City, Village or Town <u>Village of Brown Deer</u>
Subdivision Name	Lot #	Reason for Removal from Service
Well Street Address	Well ZIP Code	WI Unique Well # of Replacement Well

Facility Name <u>Brown Deer</u>
Facility ID (FID or PWS)
License/Permit/Monitoring # <u>AP-5</u>
Original Well Owner
Present Well Owner
Mailing Address of Present Owner
City of Present Owner
State
ZIP Code

3. Filled & Sealed Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole	Original Construction Date (mm/dd/yyyy) <u>04/22/2016</u> If a Well Construction Report is available, please attach.
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <u>Direct Push</u>	Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock
Total Well Depth From Ground Surface (ft.) <u>14</u>	Casing Diameter (in.) <u>2</u>
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) perforated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Required Method of Placing Sealing Material	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____		
Sealing Materials	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips		
For Monitoring Wells and Monitoring Well Boreholes Only:	<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry		

5. Material Used to Fill Well / Drillhole

<u>Bentonite Chips</u>

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>14</u>	<u>0.308</u>	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing <u>KTY Engineering</u>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>04/22/2016</u>	Date Received	Noted By
Street or Route <u>735 N. Water St. Suite 510</u>	Telephone Number <u>(414) 224-6300</u>	Comments		
City <u>Milwaukee</u>	State <u>WI</u>	ZIP Code <u>53202</u>	Signature of Person Doing Work <u>Carne</u>	Date Signed <u>04/22/2016</u>

Attachment 3

May 09, 2016

Jason Kruchko
KEY ENGINEERING GROUP, LTD.
735 North Water St.
Milwaukee, WI 53202

RE: Project: 2404006 BROWN DEER
Pace Project No.: 40131320

Dear Jason Kruchko:

Enclosed are the analytical results for sample(s) received by the laboratory on April 25, 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,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Valerie Collins, Key Engineering Group, LTD.
Cassie Haupt, KEY ENGINEERING GROUP, LTD.



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40131320001	GP-1 / TW-1 (2-4)	Solid	04/22/16 09:30	04/25/16 14:56
40131320002	GP-1 / TW-1 (8-10)	Solid	04/22/16 09:45	04/25/16 14:56
40131320003	GP-2 (2-4)	Solid	04/22/16 09:50	04/25/16 14:56
40131320004	GP-2 (6-8)	Solid	04/22/16 10:00	04/25/16 14:56
40131320005	GP-3 (2-4)	Solid	04/22/16 10:30	04/25/16 14:56
40131320006	GP-3 (6-8)	Solid	04/22/16 11:00	04/25/16 14:56
40131320007	GP-4 (2-4)	Solid	04/22/16 11:25	04/25/16 14:56
40131320008	GP-4 (8-10)	Solid	04/22/16 11:45	04/25/16 14:56
40131320009	GP-5 (2-4)	Solid	04/22/16 12:10	04/25/16 14:56
40131320010	GP-5 (10-12)	Solid	04/22/16 12:30	04/25/16 14:56
40131320011	SS-1 (0.5-1.5)	Solid	04/22/16 12:50	04/25/16 14:56
40131320012	TW-1 / GP-1	Water	04/22/16 13:00	04/25/16 14:56

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40131320001	GP-1 / TW-1 (2-4)	EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
40131320002	GP-1 / TW-1 (8-10)	EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
40131320003	GP-2 (2-4)	EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
40131320004	GP-2 (6-8)	EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
40131320005	GP-3 (2-4)	EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
40131320006	GP-3 (6-8)	EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
40131320007	GP-4 (2-4)	EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
40131320008	GP-4 (8-10)	EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
40131320009	GP-5 (2-4)	EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
40131320010	GP-5 (10-12)	EPA 8082	BLM	10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40131320011	SS-1 (0.5-1.5)	EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	MAM	1
		EPA 8082	BLM	10
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
40131320012	TW-1 / GP-1	ASTM D2974-87	MAM	1
		EPA 8082	BDS	10
		EPA 8270 by HVI	TPO	20
		EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SUMMARY OF DETECTION

Project: 2404006 BROWN DEER
Pace Project No.: 40131320

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40131320001	GP-1 / TW-1 (2-4)					
ASTM D2974-87	Percent Moisture	22.2	%	0.10	05/05/16 16:10	
40131320002	GP-1 / TW-1 (8-10)					
ASTM D2974-87	Percent Moisture	15.2	%	0.10	05/05/16 16:10	
40131320003	GP-2 (2-4)					
ASTM D2974-87	Percent Moisture	27.6	%	0.10	05/05/16 16:10	
40131320004	GP-2 (6-8)					
ASTM D2974-87	Percent Moisture	3.7	%	0.10	05/05/16 16:11	
40131320005	GP-3 (2-4)					
ASTM D2974-87	Percent Moisture	22.3	%	0.10	05/05/16 16:11	
40131320006	GP-3 (6-8)					
ASTM D2974-87	Percent Moisture	12.9	%	0.10	05/05/16 16:11	
40131320007	GP-4 (2-4)					
ASTM D2974-87	Percent Moisture	22.5	%	0.10	05/05/16 16:11	
40131320008	GP-4 (8-10)					
ASTM D2974-87	Percent Moisture	14.0	%	0.10	05/05/16 16:11	
40131320009	GP-5 (2-4)					
ASTM D2974-87	Percent Moisture	21.4	%	0.10	05/05/16 16:11	
40131320010	GP-5 (10-12)					
ASTM D2974-87	Percent Moisture	13.2	%	0.10	05/05/16 17:05	
40131320011	SS-1 (0.5-1.5)					
EPA 8270 by SIM	Acenaphthene	0.16	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Anthracene	1.1	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Benzo(a)anthracene	1.5	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Benzo(a)pyrene	1.5	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Benzo(b)fluoranthene	1.2	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.90	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Benzo(k)fluoranthene	1.4	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Chrysene	1.8	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.32	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Fluoranthene	3.9	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Fluorene	0.25	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.83	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Phenanthrene	2.5	mg/kg	0.088	05/06/16 11:15	
EPA 8270 by SIM	Pyrene	2.7	mg/kg	0.088	05/06/16 11:15	
ASTM D2974-87	Percent Moisture	24.2	%	0.10	05/05/16 17:05	
40131320012	TW-1 / GP-1					
EPA 8270 by HVI	Chrysene	0.027J	ug/L	0.28	04/29/16 16:17	
EPA 8270 by HVI	Fluoranthene	0.096J	ug/L	0.28	04/29/16 16:17	B
EPA 8270 by HVI	Phenanthrene	0.13J	ug/L	0.28	04/29/16 16:17	
EPA 8270 by HVI	Pyrene	0.12J	ug/L	0.28	04/29/16 16:17	B

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-1 / TW-1 (2-4) **Lab ID:** 40131320001 Collected: 04/22/16 09:30 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 16:22	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 16:22	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 16:22	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 16:22	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 16:22	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 16:22	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 16:22	11096-82-5	
PCB, Total	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 16:22	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	63-130		1	04/26/16 12:49	04/27/16 16:22	877-09-8	
Decachlorobiphenyl (S)	86	%	48-130		1	04/26/16 12:49	04/27/16 16:22	2051-24-3	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	83-32-9	
Acenaphthylene	<0.0096	mg/kg	0.021	0.0096	1	05/03/16 09:42	05/03/16 19:02	208-96-8	
Anthracene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	120-12-7	
Benzo(a)anthracene	<0.0074	mg/kg	0.021	0.0074	1	05/03/16 09:42	05/03/16 19:02	56-55-3	
Benzo(a)pyrene	<0.0077	mg/kg	0.021	0.0077	1	05/03/16 09:42	05/03/16 19:02	50-32-8	
Benzo(b)fluoranthene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	205-99-2	
Benzo(g,h,i)perylene	<0.0082	mg/kg	0.021	0.0082	1	05/03/16 09:42	05/03/16 19:02	191-24-2	
Benzo(k)fluoranthene	<0.012	mg/kg	0.021	0.012	1	05/03/16 09:42	05/03/16 19:02	207-08-9	
Chrysene	<0.0099	mg/kg	0.021	0.0099	1	05/03/16 09:42	05/03/16 19:02	218-01-9	
Dibenz(a,h)anthracene	<0.0079	mg/kg	0.021	0.0079	1	05/03/16 09:42	05/03/16 19:02	53-70-3	
Fluoranthene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	206-44-0	
Fluorene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0081	mg/kg	0.021	0.0081	1	05/03/16 09:42	05/03/16 19:02	193-39-5	
1-Methylnaphthalene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	90-12-0	
2-Methylnaphthalene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	91-57-6	
Naphthalene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	91-20-3	
Phenanthrene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	85-01-8	
Pyrene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/03/16 19:02	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	26-130		1	05/03/16 09:42	05/03/16 19:02	321-60-8	
Terphenyl-d14 (S)	57	%	10-130		1	05/03/16 09:42	05/03/16 19:02	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 18:54	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	98-06-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-1 / TW-1 (2-4) Lab ID: 40131320001 Collected: 04/22/16 09:30 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 18:54	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 18:54	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 18:54	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	142-28-9	W
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 18:54	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 18:54	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	79-01-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-1 / TW-1 (2-4) **Lab ID: 40131320001** Collected: 04/22/16 09:30 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 18:54	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 18:54	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	53-165		1	04/26/16 14:09	04/27/16 18:54	1868-53-7	
Toluene-d8 (S)	99	%	54-163		1	04/26/16 14:09	04/27/16 18:54	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	04/26/16 14:09	04/27/16 18:54	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	22.2	%	0.10	0.10	1		05/05/16 16:10		

Sample: GP-1 / TW-1 (8-10) **Lab ID: 40131320002** Collected: 04/22/16 09:45 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.029	mg/kg	0.059	0.029	1	04/26/16 12:49	04/27/16 16:39	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.029	mg/kg	0.059	0.029	1	04/26/16 12:49	04/27/16 16:39	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.029	mg/kg	0.059	0.029	1	04/26/16 12:49	04/27/16 16:39	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.029	mg/kg	0.059	0.029	1	04/26/16 12:49	04/27/16 16:39	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.029	mg/kg	0.059	0.029	1	04/26/16 12:49	04/27/16 16:39	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.029	mg/kg	0.059	0.029	1	04/26/16 12:49	04/27/16 16:39	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.029	mg/kg	0.059	0.029	1	04/26/16 12:49	04/27/16 16:39	11096-82-5	
PCB, Total	<0.029	mg/kg	0.059	0.029	1	04/26/16 12:49	04/27/16 16:39	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	63-130		1	04/26/16 12:49	04/27/16 16:39	877-09-8	
Decachlorobiphenyl (S)	87	%	48-130		1	04/26/16 12:49	04/27/16 16:39	2051-24-3	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.0098	mg/kg	0.020	0.0098	1	05/03/16 09:42	05/03/16 16:43	83-32-9	
Acenaphthylene	<0.0088	mg/kg	0.020	0.0088	1	05/03/16 09:42	05/03/16 16:43	208-96-8	
Anthracene	<0.010	mg/kg	0.020	0.010	1	05/03/16 09:42	05/03/16 16:43	120-12-7	
Benzo(a)anthracene	<0.0068	mg/kg	0.020	0.0068	1	05/03/16 09:42	05/03/16 16:43	56-55-3	
Benzo(a)pyrene	<0.0070	mg/kg	0.020	0.0070	1	05/03/16 09:42	05/03/16 16:43	50-32-8	
Benzo(b)fluoranthene	<0.0098	mg/kg	0.020	0.0098	1	05/03/16 09:42	05/03/16 16:43	205-99-2	
Benzo(g,h,i)perylene	<0.0075	mg/kg	0.020	0.0075	1	05/03/16 09:42	05/03/16 16:43	191-24-2	
Benzo(k)fluoranthene	<0.011	mg/kg	0.020	0.011	1	05/03/16 09:42	05/03/16 16:43	207-08-9	
Chrysene	<0.0091	mg/kg	0.020	0.0091	1	05/03/16 09:42	05/03/16 16:43	218-01-9	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-1 / TW-1 (8-10) Lab ID: 40131320002 Collected: 04/22/16 09:45 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Dibenz(a,h)anthracene	<0.0072	mg/kg	0.020	0.0072	1	05/03/16 09:42	05/03/16 16:43	53-70-3	
Fluoranthene	<0.0098	mg/kg	0.020	0.0098	1	05/03/16 09:42	05/03/16 16:43	206-44-0	
Fluorene	<0.0098	mg/kg	0.020	0.0098	1	05/03/16 09:42	05/03/16 16:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0075	mg/kg	0.020	0.0075	1	05/03/16 09:42	05/03/16 16:43	193-39-5	
1-Methylnaphthalene	<0.0098	mg/kg	0.020	0.0098	1	05/03/16 09:42	05/03/16 16:43	90-12-0	
2-Methylnaphthalene	<0.0098	mg/kg	0.020	0.0098	1	05/03/16 09:42	05/03/16 16:43	91-57-6	
Naphthalene	<0.0098	mg/kg	0.020	0.0098	1	05/03/16 09:42	05/03/16 16:43	91-20-3	
Phenanthrene	<0.0098	mg/kg	0.020	0.0098	1	05/03/16 09:42	05/03/16 16:43	85-01-8	
Pyrene	<0.0098	mg/kg	0.020	0.0098	1	05/03/16 09:42	05/03/16 16:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	26-130		1	05/03/16 09:42	05/03/16 16:43	321-60-8	
Terphenyl-d14 (S)	65	%	10-130		1	05/03/16 09:42	05/03/16 16:43	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 19:17	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	98-06-6	W
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 19:17	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 19:17	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 19:17	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	142-28-9	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-1 / TW-1 (8-10) Lab ID: 40131320002 Collected: 04/22/16 09:45 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 19:17	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 19:17	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	79-01-6	W
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 19:17	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	53-165		1	04/26/16 14:09	04/27/16 19:17	1868-53-7	
Toluene-d8 (S)	94	%	54-163		1	04/26/16 14:09	04/27/16 19:17	2037-26-5	
4-Bromofluorobenzene (S)	79	%	48-138		1	04/26/16 14:09	04/27/16 19:17	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	15.2	%	0.10	0.10	1		05/05/16 16:10		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-2 (2-4) **Lab ID: 40131320003** Collected: 04/22/16 09:50 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.035	mg/kg	0.069	0.035	1	04/26/16 12:49	04/27/16 16:56	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.035	mg/kg	0.069	0.035	1	04/26/16 12:49	04/27/16 16:56	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.035	mg/kg	0.069	0.035	1	04/26/16 12:49	04/27/16 16:56	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.035	mg/kg	0.069	0.035	1	04/26/16 12:49	04/27/16 16:56	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.035	mg/kg	0.069	0.035	1	04/26/16 12:49	04/27/16 16:56	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.035	mg/kg	0.069	0.035	1	04/26/16 12:49	04/27/16 16:56	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.035	mg/kg	0.069	0.035	1	04/26/16 12:49	04/27/16 16:56	11096-82-5	
PCB, Total	<0.035	mg/kg	0.069	0.035	1	04/26/16 12:49	04/27/16 16:56	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	63-130		1	04/26/16 12:49	04/27/16 16:56	877-09-8	
Decachlorobiphenyl (S)	86	%	48-130		1	04/26/16 12:49	04/27/16 16:56	2051-24-3	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	83-32-9	
Acenaphthylene	<0.010	mg/kg	0.023	0.010	1	05/03/16 09:42	05/03/16 19:20	208-96-8	
Anthracene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	120-12-7	
Benzo(a)anthracene	<0.0080	mg/kg	0.023	0.0080	1	05/03/16 09:42	05/03/16 19:20	56-55-3	
Benzo(a)pyrene	<0.0082	mg/kg	0.023	0.0082	1	05/03/16 09:42	05/03/16 19:20	50-32-8	
Benzo(b)fluoranthene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	205-99-2	
Benzo(g,h,i)perylene	<0.0088	mg/kg	0.023	0.0088	1	05/03/16 09:42	05/03/16 19:20	191-24-2	
Benzo(k)fluoranthene	<0.013	mg/kg	0.023	0.013	1	05/03/16 09:42	05/03/16 19:20	207-08-9	
Chrysene	<0.011	mg/kg	0.023	0.011	1	05/03/16 09:42	05/03/16 19:20	218-01-9	
Dibenz(a,h)anthracene	<0.0084	mg/kg	0.023	0.0084	1	05/03/16 09:42	05/03/16 19:20	53-70-3	
Fluoranthene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	206-44-0	
Fluorene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0088	mg/kg	0.023	0.0088	1	05/03/16 09:42	05/03/16 19:20	193-39-5	
1-Methylnaphthalene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	90-12-0	
2-Methylnaphthalene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	91-57-6	
Naphthalene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	91-20-3	
Phenanthrene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	85-01-8	
Pyrene	<0.012	mg/kg	0.023	0.012	1	05/03/16 09:42	05/03/16 19:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	26-130		1	05/03/16 09:42	05/03/16 19:20	321-60-8	
Terphenyl-d14 (S)	68	%	10-130		1	05/03/16 09:42	05/03/16 19:20	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 19:40	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	98-06-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-2 (2-4) Lab ID: 40131320003 Collected: 04/22/16 09:50 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 19:40	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 19:40	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 19:40	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	142-28-9	W
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 19:40	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 19:40	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	79-01-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-2 (2-4) **Lab ID: 40131320003** Collected: 04/22/16 09:50 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 19:40	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 19:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	53-165		1	04/26/16 14:09	04/27/16 19:40	1868-53-7	
Toluene-d8 (S)	96	%	54-163		1	04/26/16 14:09	04/27/16 19:40	2037-26-5	
4-Bromofluorobenzene (S)	83	%	48-138		1	04/26/16 14:09	04/27/16 19:40	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	27.6	%	0.10	0.10	1		05/05/16 16:10		

Sample: GP-2 (6-8) **Lab ID: 40131320004** Collected: 04/22/16 10:00 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.026	mg/kg	0.052	0.026	1	04/26/16 12:49	04/27/16 17:14	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.026	mg/kg	0.052	0.026	1	04/26/16 12:49	04/27/16 17:14	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.026	mg/kg	0.052	0.026	1	04/26/16 12:49	04/27/16 17:14	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.026	mg/kg	0.052	0.026	1	04/26/16 12:49	04/27/16 17:14	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.026	mg/kg	0.052	0.026	1	04/26/16 12:49	04/27/16 17:14	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.026	mg/kg	0.052	0.026	1	04/26/16 12:49	04/27/16 17:14	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.026	mg/kg	0.052	0.026	1	04/26/16 12:49	04/27/16 17:14	11096-82-5	
PCB, Total	<0.026	mg/kg	0.052	0.026	1	04/26/16 12:49	04/27/16 17:14	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	63-130		1	04/26/16 12:49	04/27/16 17:14	877-09-8	
Decachlorobiphenyl (S)	91	%	48-130		1	04/26/16 12:49	04/27/16 17:14	2051-24-3	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.0087	mg/kg	0.017	0.0087	1	05/03/16 09:42	05/03/16 19:37	83-32-9	
Acenaphthylene	<0.0077	mg/kg	0.017	0.0077	1	05/03/16 09:42	05/03/16 19:37	208-96-8	
Anthracene	<0.0090	mg/kg	0.017	0.0090	1	05/03/16 09:42	05/03/16 19:37	120-12-7	
Benzo(a)anthracene	<0.0060	mg/kg	0.017	0.0060	1	05/03/16 09:42	05/03/16 19:37	56-55-3	
Benzo(a)pyrene	<0.0062	mg/kg	0.017	0.0062	1	05/03/16 09:42	05/03/16 19:37	50-32-8	
Benzo(b)fluoranthene	<0.0087	mg/kg	0.017	0.0087	1	05/03/16 09:42	05/03/16 19:37	205-99-2	
Benzo(g,h,i)perylene	<0.0066	mg/kg	0.017	0.0066	1	05/03/16 09:42	05/03/16 19:37	191-24-2	
Benzo(k)fluoranthene	<0.0096	mg/kg	0.017	0.0096	1	05/03/16 09:42	05/03/16 19:37	207-08-9	
Chrysene	<0.0080	mg/kg	0.017	0.0080	1	05/03/16 09:42	05/03/16 19:37	218-01-9	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-2 (6-8) Lab ID: **40131320004** Collected: 04/22/16 10:00 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Dibenz(a,h)anthracene	<0.0063	mg/kg	0.017	0.0063	1	05/03/16 09:42	05/03/16 19:37	53-70-3	
Fluoranthene	<0.0087	mg/kg	0.017	0.0087	1	05/03/16 09:42	05/03/16 19:37	206-44-0	
Fluorene	<0.0087	mg/kg	0.017	0.0087	1	05/03/16 09:42	05/03/16 19:37	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0066	mg/kg	0.017	0.0066	1	05/03/16 09:42	05/03/16 19:37	193-39-5	
1-Methylnaphthalene	<0.0087	mg/kg	0.017	0.0087	1	05/03/16 09:42	05/03/16 19:37	90-12-0	
2-Methylnaphthalene	<0.0087	mg/kg	0.017	0.0087	1	05/03/16 09:42	05/03/16 19:37	91-57-6	
Naphthalene	<0.0087	mg/kg	0.017	0.0087	1	05/03/16 09:42	05/03/16 19:37	91-20-3	
Phenanthrene	<0.0087	mg/kg	0.017	0.0087	1	05/03/16 09:42	05/03/16 19:37	85-01-8	
Pyrene	<0.0087	mg/kg	0.017	0.0087	1	05/03/16 09:42	05/03/16 19:37	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	26-130		1	05/03/16 09:42	05/03/16 19:37	321-60-8	
Terphenyl-d14 (S)	65	%	10-130		1	05/03/16 09:42	05/03/16 19:37	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 20:02	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	98-06-6	W
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 20:02	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 20:02	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 20:02	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	142-28-9	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-2 (6-8) **Lab ID: 40131320004** Collected: 04/22/16 10:00 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 20:02	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 20:02	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	79-01-6	W
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 20:02	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:02	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	53-165		1	04/26/16 14:09	04/27/16 20:02	1868-53-7	
Toluene-d8 (S)	98	%	54-163		1	04/26/16 14:09	04/27/16 20:02	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	04/26/16 14:09	04/27/16 20:02	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	3.7	%	0.10	0.10	1		05/05/16 16:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-3 (2-4) **Lab ID: 40131320005** Collected: 04/22/16 10:30 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 17:31	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 17:31	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 17:31	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 17:31	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 17:31	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 17:31	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 17:31	11096-82-5	
PCB, Total	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 17:31	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	63-130		1	04/26/16 12:49	04/27/16 17:31	877-09-8	
Decachlorobiphenyl (S)	89	%	48-130		1	04/26/16 12:49	04/27/16 17:31	2051-24-3	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	83-32-9	
Acenaphthylene	<0.0096	mg/kg	0.021	0.0096	1	05/03/16 09:42	05/04/16 11:22	208-96-8	
Anthracene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	120-12-7	
Benzo(a)anthracene	<0.0074	mg/kg	0.021	0.0074	1	05/03/16 09:42	05/04/16 11:22	56-55-3	
Benzo(a)pyrene	<0.0077	mg/kg	0.021	0.0077	1	05/03/16 09:42	05/04/16 11:22	50-32-8	
Benzo(b)fluoranthene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	205-99-2	
Benzo(g,h,i)perylene	<0.0082	mg/kg	0.021	0.0082	1	05/03/16 09:42	05/04/16 11:22	191-24-2	
Benzo(k)fluoranthene	<0.012	mg/kg	0.021	0.012	1	05/03/16 09:42	05/04/16 11:22	207-08-9	
Chrysene	<0.0099	mg/kg	0.021	0.0099	1	05/03/16 09:42	05/04/16 11:22	218-01-9	
Dibenz(a,h)anthracene	<0.0079	mg/kg	0.021	0.0079	1	05/03/16 09:42	05/04/16 11:22	53-70-3	
Fluoranthene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	206-44-0	
Fluorene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0081	mg/kg	0.021	0.0081	1	05/03/16 09:42	05/04/16 11:22	193-39-5	
1-Methylnaphthalene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	90-12-0	
2-Methylnaphthalene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	91-57-6	
Naphthalene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	91-20-3	
Phenanthrene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	85-01-8	
Pyrene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 11:22	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	26-130		1	05/03/16 09:42	05/04/16 11:22	321-60-8	
Terphenyl-d14 (S)	62	%	10-130		1	05/03/16 09:42	05/04/16 11:22	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 20:25	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	98-06-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-3 (2-4) Lab ID: 40131320005 Collected: 04/22/16 10:30 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 20:25	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 20:25	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 20:25	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	142-28-9	W
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 20:25	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 20:25	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	79-01-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-3 (2-4) **Lab ID: 40131320005** Collected: 04/22/16 10:30 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 20:25	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:25	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	53-165		1	04/26/16 14:09	04/27/16 20:25	1868-53-7	
Toluene-d8 (S)	95	%	54-163		1	04/26/16 14:09	04/27/16 20:25	2037-26-5	
4-Bromofluorobenzene (S)	78	%	48-138		1	04/26/16 14:09	04/27/16 20:25	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	22.3	%	0.10	0.10	1		05/05/16 16:11		

Sample: GP-3 (6-8) **Lab ID: 40131320006** Collected: 04/22/16 11:00 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.029	mg/kg	0.057	0.029	1	04/26/16 12:49	04/27/16 17:48	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.029	mg/kg	0.057	0.029	1	04/26/16 12:49	04/27/16 17:48	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.029	mg/kg	0.057	0.029	1	04/26/16 12:49	04/27/16 17:48	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.029	mg/kg	0.057	0.029	1	04/26/16 12:49	04/27/16 17:48	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.029	mg/kg	0.057	0.029	1	04/26/16 12:49	04/27/16 17:48	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.029	mg/kg	0.057	0.029	1	04/26/16 12:49	04/27/16 17:48	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.029	mg/kg	0.057	0.029	1	04/26/16 12:49	04/27/16 17:48	11096-82-5	
PCB, Total	<0.029	mg/kg	0.057	0.029	1	04/26/16 12:49	04/27/16 17:48	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	89	%	63-130		1	04/26/16 12:49	04/27/16 17:48	877-09-8	
Decachlorobiphenyl (S)	90	%	48-130		1	04/26/16 12:49	04/27/16 17:48	2051-24-3	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 11:40	83-32-9	
Acenaphthylene	<0.0086	mg/kg	0.019	0.0086	1	05/03/16 09:42	05/04/16 11:40	208-96-8	
Anthracene	<0.0099	mg/kg	0.019	0.0099	1	05/03/16 09:42	05/04/16 11:40	120-12-7	
Benzo(a)anthracene	<0.0066	mg/kg	0.019	0.0066	1	05/03/16 09:42	05/04/16 11:40	56-55-3	
Benzo(a)pyrene	<0.0068	mg/kg	0.019	0.0068	1	05/03/16 09:42	05/04/16 11:40	50-32-8	
Benzo(b)fluoranthene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 11:40	205-99-2	
Benzo(g,h,i)perylene	<0.0073	mg/kg	0.019	0.0073	1	05/03/16 09:42	05/04/16 11:40	191-24-2	
Benzo(k)fluoranthene	<0.011	mg/kg	0.019	0.011	1	05/03/16 09:42	05/04/16 11:40	207-08-9	
Chrysene	<0.0089	mg/kg	0.019	0.0089	1	05/03/16 09:42	05/04/16 11:40	218-01-9	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-3 (6-8) **Lab ID: 40131320006** Collected: 04/22/16 11:00 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Dibenz(a,h)anthracene	<0.0070	mg/kg	0.019	0.0070	1	05/03/16 09:42	05/04/16 11:40	53-70-3	
Fluoranthene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 11:40	206-44-0	
Fluorene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 11:40	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0073	mg/kg	0.019	0.0073	1	05/03/16 09:42	05/04/16 11:40	193-39-5	
1-Methylnaphthalene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 11:40	90-12-0	
2-Methylnaphthalene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 11:40	91-57-6	
Naphthalene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 11:40	91-20-3	
Phenanthrene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 11:40	85-01-8	
Pyrene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 11:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	26-130		1	05/03/16 09:42	05/04/16 11:40	321-60-8	
Terphenyl-d14 (S)	69	%	10-130		1	05/03/16 09:42	05/04/16 11:40	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 20:47	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	98-06-6	W
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 20:47	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 20:47	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 20:47	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	142-28-9	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-3 (6-8) **Lab ID: 40131320006** Collected: 04/22/16 11:00 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 20:47	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 20:47	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	79-01-6	W
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 20:47	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 20:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	53-165		1	04/26/16 14:09	04/27/16 20:47	1868-53-7	
Toluene-d8 (S)	105	%	54-163		1	04/26/16 14:09	04/27/16 20:47	2037-26-5	
4-Bromofluorobenzene (S)	90	%	48-138		1	04/26/16 14:09	04/27/16 20:47	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	12.9	%	0.10	0.10	1		05/05/16 16:11		
------------------	-------------	---	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-4 (2-4) **Lab ID: 40131320007** Collected: 04/22/16 11:25 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.032	mg/kg	0.065	0.032	1	04/26/16 12:49	04/27/16 18:06	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.032	mg/kg	0.065	0.032	1	04/26/16 12:49	04/27/16 18:06	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.032	mg/kg	0.065	0.032	1	04/26/16 12:49	04/27/16 18:06	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.032	mg/kg	0.065	0.032	1	04/26/16 12:49	04/27/16 18:06	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.032	mg/kg	0.065	0.032	1	04/26/16 12:49	04/27/16 18:06	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.032	mg/kg	0.065	0.032	1	04/26/16 12:49	04/27/16 18:06	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.032	mg/kg	0.065	0.032	1	04/26/16 12:49	04/27/16 18:06	11096-82-5	
PCB, Total	<0.032	mg/kg	0.065	0.032	1	04/26/16 12:49	04/27/16 18:06	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	63-130		1	04/26/16 12:49	04/27/16 18:06	877-09-8	
Decachlorobiphenyl (S)	90	%	48-130		1	04/26/16 12:49	04/27/16 18:06	2051-24-3	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	83-32-9	
Acenaphthylene	<0.0096	mg/kg	0.022	0.0096	1	05/03/16 09:42	05/04/16 09:03	208-96-8	
Anthracene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	120-12-7	
Benzo(a)anthracene	<0.0075	mg/kg	0.022	0.0075	1	05/03/16 09:42	05/04/16 09:03	56-55-3	
Benzo(a)pyrene	<0.0077	mg/kg	0.022	0.0077	1	05/03/16 09:42	05/04/16 09:03	50-32-8	
Benzo(b)fluoranthene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	205-99-2	
Benzo(g,h,i)perylene	<0.0082	mg/kg	0.022	0.0082	1	05/03/16 09:42	05/04/16 09:03	191-24-2	
Benzo(k)fluoranthene	<0.012	mg/kg	0.022	0.012	1	05/03/16 09:42	05/04/16 09:03	207-08-9	
Chrysene	<0.0099	mg/kg	0.022	0.0099	1	05/03/16 09:42	05/04/16 09:03	218-01-9	
Dibenz(a,h)anthracene	<0.0079	mg/kg	0.022	0.0079	1	05/03/16 09:42	05/04/16 09:03	53-70-3	
Fluoranthene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	206-44-0	
Fluorene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0082	mg/kg	0.022	0.0082	1	05/03/16 09:42	05/04/16 09:03	193-39-5	
1-Methylnaphthalene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	90-12-0	
2-Methylnaphthalene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	91-57-6	
Naphthalene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	91-20-3	
Phenanthrene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	85-01-8	
Pyrene	<0.011	mg/kg	0.022	0.011	1	05/03/16 09:42	05/04/16 09:03	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	47	%	26-130		1	05/03/16 09:42	05/04/16 09:03	321-60-8	
Terphenyl-d14 (S)	58	%	10-130		1	05/03/16 09:42	05/04/16 09:03	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 21:10	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	98-06-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-4 (2-4) Lab ID: 40131320007 Collected: 04/22/16 11:25 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 21:10	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 21:10	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 21:10	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	142-28-9	W
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 21:10	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 21:10	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	79-01-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-4 (2-4) **Lab ID: 40131320007** Collected: 04/22/16 11:25 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 21:10	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	53-165		1	04/26/16 14:09	04/27/16 21:10	1868-53-7	
Toluene-d8 (S)	106	%	54-163		1	04/26/16 14:09	04/27/16 21:10	2037-26-5	
4-Bromofluorobenzene (S)	89	%	48-138		1	04/26/16 14:09	04/27/16 21:10	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	22.5	%	0.10	0.10	1		05/05/16 16:11		

Sample: GP-4 (8-10) **Lab ID: 40131320008** Collected: 04/22/16 11:45 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:23	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:23	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:23	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:23	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:23	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:23	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:23	11096-82-5	
PCB, Total	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:23	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	90	%	63-130		1	04/26/16 12:49	04/27/16 18:23	877-09-8	
Decachlorobiphenyl (S)	96	%	48-130		1	04/26/16 12:49	04/27/16 18:23	2051-24-3	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.0097	mg/kg	0.019	0.0097	1	05/03/16 09:42	05/04/16 09:20	83-32-9	
Acenaphthylene	<0.0087	mg/kg	0.019	0.0087	1	05/03/16 09:42	05/04/16 09:20	208-96-8	
Anthracene	<0.010	mg/kg	0.019	0.010	1	05/03/16 09:42	05/04/16 09:20	120-12-7	
Benzo(a)anthracene	<0.0067	mg/kg	0.019	0.0067	1	05/03/16 09:42	05/04/16 09:20	56-55-3	
Benzo(a)pyrene	<0.0069	mg/kg	0.019	0.0069	1	05/03/16 09:42	05/04/16 09:20	50-32-8	
Benzo(b)fluoranthene	<0.0097	mg/kg	0.019	0.0097	1	05/03/16 09:42	05/04/16 09:20	205-99-2	
Benzo(g,h,i)perylene	<0.0074	mg/kg	0.019	0.0074	1	05/03/16 09:42	05/04/16 09:20	191-24-2	
Benzo(k)fluoranthene	<0.011	mg/kg	0.019	0.011	1	05/03/16 09:42	05/04/16 09:20	207-08-9	
Chrysene	<0.0090	mg/kg	0.019	0.0090	1	05/03/16 09:42	05/04/16 09:20	218-01-9	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-4 (8-10) **Lab ID: 40131320008** Collected: 04/22/16 11:45 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Dibenz(a,h)anthracene	<0.0071	mg/kg	0.019	0.0071	1	05/03/16 09:42	05/04/16 09:20	53-70-3	
Fluoranthene	<0.0097	mg/kg	0.019	0.0097	1	05/03/16 09:42	05/04/16 09:20	206-44-0	
Fluorene	<0.0097	mg/kg	0.019	0.0097	1	05/03/16 09:42	05/04/16 09:20	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0074	mg/kg	0.019	0.0074	1	05/03/16 09:42	05/04/16 09:20	193-39-5	
1-Methylnaphthalene	<0.0097	mg/kg	0.019	0.0097	1	05/03/16 09:42	05/04/16 09:20	90-12-0	
2-Methylnaphthalene	<0.0097	mg/kg	0.019	0.0097	1	05/03/16 09:42	05/04/16 09:20	91-57-6	
Naphthalene	<0.0097	mg/kg	0.019	0.0097	1	05/03/16 09:42	05/04/16 09:20	91-20-3	
Phenanthrene	<0.0097	mg/kg	0.019	0.0097	1	05/03/16 09:42	05/04/16 09:20	85-01-8	
Pyrene	<0.0097	mg/kg	0.019	0.0097	1	05/03/16 09:42	05/04/16 09:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	26-130		1	05/03/16 09:42	05/04/16 09:20	321-60-8	
Terphenyl-d14 (S)	62	%	10-130		1	05/03/16 09:42	05/04/16 09:20	1718-51-0	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 21:32	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	98-06-6	W
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 21:32	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 21:32	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 21:32	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	142-28-9	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-4 (8-10) **Lab ID: 40131320008** Collected: 04/22/16 11:45 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 21:32	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 21:32	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	79-01-6	W
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 21:32	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	53-165		1	04/26/16 14:09	04/27/16 21:32	1868-53-7	
Toluene-d8 (S)	100	%	54-163		1	04/26/16 14:09	04/27/16 21:32	2037-26-5	
4-Bromofluorobenzene (S)	87	%	48-138		1	04/26/16 14:09	04/27/16 21:32	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	14.0	%	0.10	0.10	1		05/05/16 16:11		
------------------	-------------	---	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-5 (2-4) **Lab ID: 40131320009** Collected: 04/22/16 12:10 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 18:40	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 18:40	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 18:40	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 18:40	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 18:40	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 18:40	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 18:40	11096-82-5	
PCB, Total	<0.032	mg/kg	0.064	0.032	1	04/26/16 12:49	04/27/16 18:40	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	91	%	63-130		1	04/26/16 12:49	04/27/16 18:40	877-09-8	
Decachlorobiphenyl (S)	93	%	48-130		1	04/26/16 12:49	04/27/16 18:40	2051-24-3	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	83-32-9	
Acenaphthylene	<0.0095	mg/kg	0.021	0.0095	1	05/03/16 09:42	05/04/16 09:38	208-96-8	
Anthracene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	120-12-7	
Benzo(a)anthracene	<0.0074	mg/kg	0.021	0.0074	1	05/03/16 09:42	05/04/16 09:38	56-55-3	
Benzo(a)pyrene	<0.0076	mg/kg	0.021	0.0076	1	05/03/16 09:42	05/04/16 09:38	50-32-8	
Benzo(b)fluoranthene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	205-99-2	
Benzo(g,h,i)perylene	<0.0081	mg/kg	0.021	0.0081	1	05/03/16 09:42	05/04/16 09:38	191-24-2	
Benzo(k)fluoranthene	<0.012	mg/kg	0.021	0.012	1	05/03/16 09:42	05/04/16 09:38	207-08-9	
Chrysene	<0.0098	mg/kg	0.021	0.0098	1	05/03/16 09:42	05/04/16 09:38	218-01-9	
Dibenz(a,h)anthracene	<0.0078	mg/kg	0.021	0.0078	1	05/03/16 09:42	05/04/16 09:38	53-70-3	
Fluoranthene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	206-44-0	
Fluorene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0081	mg/kg	0.021	0.0081	1	05/03/16 09:42	05/04/16 09:38	193-39-5	
1-Methylnaphthalene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	90-12-0	
2-Methylnaphthalene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	91-57-6	
Naphthalene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	91-20-3	
Phenanthrene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	85-01-8	
Pyrene	<0.011	mg/kg	0.021	0.011	1	05/03/16 09:42	05/04/16 09:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	26-130		1	05/03/16 09:42	05/04/16 09:38	321-60-8	
Terphenyl-d14 (S)	66	%	10-130		1	05/03/16 09:42	05/04/16 09:38	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 21:55	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	98-06-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-5 (2-4) **Lab ID: 40131320009** Collected: 04/22/16 12:10 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 21:55	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 21:55	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 21:55	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	142-28-9	W
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 21:55	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 21:55	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	79-01-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-5 (2-4) **Lab ID: 40131320009** Collected: 04/22/16 12:10 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 21:55	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 21:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	53-165		1	04/26/16 14:09	04/27/16 21:55	1868-53-7	
Toluene-d8 (S)	100	%	54-163		1	04/26/16 14:09	04/27/16 21:55	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	04/26/16 14:09	04/27/16 21:55	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	21.4	%	0.10	0.10	1		05/05/16 16:11		

Sample: GP-5 (10-12) **Lab ID: 40131320010** Collected: 04/22/16 12:30 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:58	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:58	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:58	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:58	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:58	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:58	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:58	11096-82-5	
PCB, Total	<0.029	mg/kg	0.058	0.029	1	04/26/16 12:49	04/27/16 18:58	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	63-130		1	04/26/16 12:49	04/27/16 18:58	877-09-8	
Decachlorobiphenyl (S)	90	%	48-130		1	04/26/16 12:49	04/27/16 18:58	2051-24-3	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 09:55	83-32-9	
Acenaphthylene	<0.0086	mg/kg	0.019	0.0086	1	05/03/16 09:42	05/04/16 09:55	208-96-8	
Anthracene	<0.010	mg/kg	0.019	0.010	1	05/03/16 09:42	05/04/16 09:55	120-12-7	
Benzo(a)anthracene	<0.0067	mg/kg	0.019	0.0067	1	05/03/16 09:42	05/04/16 09:55	56-55-3	
Benzo(a)pyrene	<0.0069	mg/kg	0.019	0.0069	1	05/03/16 09:42	05/04/16 09:55	50-32-8	
Benzo(b)fluoranthene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 09:55	205-99-2	
Benzo(g,h,i)perylene	<0.0073	mg/kg	0.019	0.0073	1	05/03/16 09:42	05/04/16 09:55	191-24-2	
Benzo(k)fluoranthene	<0.011	mg/kg	0.019	0.011	1	05/03/16 09:42	05/04/16 09:55	207-08-9	
Chrysene	<0.0089	mg/kg	0.019	0.0089	1	05/03/16 09:42	05/04/16 09:55	218-01-9	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-5 (10-12) **Lab ID: 40131320010** Collected: 04/22/16 12:30 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Dibenz(a,h)anthracene	<0.0070	mg/kg	0.019	0.0070	1	05/03/16 09:42	05/04/16 09:55	53-70-3	
Fluoranthene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 09:55	206-44-0	
Fluorene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 09:55	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0073	mg/kg	0.019	0.0073	1	05/03/16 09:42	05/04/16 09:55	193-39-5	
1-Methylnaphthalene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 09:55	90-12-0	
2-Methylnaphthalene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 09:55	91-57-6	
Naphthalene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 09:55	91-20-3	
Phenanthrene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 09:55	85-01-8	
Pyrene	<0.0096	mg/kg	0.019	0.0096	1	05/03/16 09:42	05/04/16 09:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	26-130		1	05/03/16 09:42	05/04/16 09:55	321-60-8	
Terphenyl-d14 (S)	62	%	10-130		1	05/03/16 09:42	05/04/16 09:55	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/26/16 14:09	04/27/16 22:18	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	98-06-6	W
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/26/16 14:09	04/27/16 22:18	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/26/16 14:09	04/27/16 22:18	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/26/16 14:09	04/27/16 22:18	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	142-28-9	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: GP-5 (10-12) Lab ID: 40131320010 Collected: 04/22/16 12:30 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/26/16 14:09	04/27/16 22:18	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/26/16 14:09	04/27/16 22:18	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	79-01-6	W
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/26/16 14:09	04/27/16 22:18	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/26/16 14:09	04/27/16 22:18	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	53-165		1	04/26/16 14:09	04/27/16 22:18	1868-53-7	
Toluene-d8 (S)	111	%	54-163		1	04/26/16 14:09	04/27/16 22:18	2037-26-5	
4-Bromofluorobenzene (S)	92	%	48-138		1	04/26/16 14:09	04/27/16 22:18	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	13.2	%	0.10	0.10	1		05/05/16 17:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: SS-1 (0.5-1.5) **Lab ID: 40131320011** Collected: 04/22/16 12:50 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<0.033	mg/kg	0.066	0.033	1	04/26/16 12:49	04/27/16 19:15	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.033	mg/kg	0.066	0.033	1	04/26/16 12:49	04/27/16 19:15	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.033	mg/kg	0.066	0.033	1	04/26/16 12:49	04/27/16 19:15	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.033	mg/kg	0.066	0.033	1	04/26/16 12:49	04/27/16 19:15	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.033	mg/kg	0.066	0.033	1	04/26/16 12:49	04/27/16 19:15	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.033	mg/kg	0.066	0.033	1	04/26/16 12:49	04/27/16 19:15	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.033	mg/kg	0.066	0.033	1	04/26/16 12:49	04/27/16 19:15	11096-82-5	
PCB, Total	<0.033	mg/kg	0.066	0.033	1	04/26/16 12:49	04/27/16 19:15	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	63-130		1	04/26/16 12:49	04/27/16 19:15	877-09-8	
Decachlorobiphenyl (S)	75	%	48-130		1	04/26/16 12:49	04/27/16 19:15	2051-24-3	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	0.16	mg/kg	0.088	0.044	4	05/06/16 09:18	05/06/16 11:15	83-32-9	
Acenaphthylene	<0.039	mg/kg	0.088	0.039	4	05/06/16 09:18	05/06/16 11:15	208-96-8	
Anthracene	1.1	mg/kg	0.088	0.046	4	05/06/16 09:18	05/06/16 11:15	120-12-7	
Benzo(a)anthracene	1.5	mg/kg	0.088	0.030	4	05/06/16 09:18	05/06/16 11:15	56-55-3	
Benzo(a)pyrene	1.5	mg/kg	0.088	0.031	4	05/06/16 09:18	05/06/16 11:15	50-32-8	
Benzo(b)fluoranthene	1.2	mg/kg	0.088	0.044	4	05/06/16 09:18	05/06/16 11:15	205-99-2	
Benzo(g,h,i)perylene	0.90	mg/kg	0.088	0.033	4	05/06/16 09:18	05/06/16 11:15	191-24-2	
Benzo(k)fluoranthene	1.4	mg/kg	0.088	0.049	4	05/06/16 09:18	05/06/16 11:15	207-08-9	
Chrysene	1.8	mg/kg	0.088	0.041	4	05/06/16 09:18	05/06/16 11:15	218-01-9	
Dibenz(a,h)anthracene	0.32	mg/kg	0.088	0.032	4	05/06/16 09:18	05/06/16 11:15	53-70-3	
Fluoranthene	3.9	mg/kg	0.088	0.044	4	05/06/16 09:18	05/06/16 11:15	206-44-0	
Fluorene	0.25	mg/kg	0.088	0.044	4	05/06/16 09:18	05/06/16 11:15	86-73-7	
Indeno(1,2,3-cd)pyrene	0.83	mg/kg	0.088	0.033	4	05/06/16 09:18	05/06/16 11:15	193-39-5	
1-Methylnaphthalene	<0.044	mg/kg	0.088	0.044	4	05/06/16 09:18	05/06/16 11:15	90-12-0	
2-Methylnaphthalene	<0.044	mg/kg	0.088	0.044	4	05/06/16 09:18	05/06/16 11:15	91-57-6	
Naphthalene	<0.044	mg/kg	0.088	0.044	4	05/06/16 09:18	05/06/16 11:15	91-20-3	
Phenanthrene	2.5	mg/kg	0.088	0.044	4	05/06/16 09:18	05/06/16 11:15	85-01-8	
Pyrene	2.7	mg/kg	0.088	0.044	4	05/06/16 09:18	05/06/16 11:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	49	%	26-130		4	05/06/16 09:18	05/06/16 11:15	321-60-8	
Terphenyl-d14 (S)	61	%	10-130		4	05/06/16 09:18	05/06/16 11:15	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	108-86-1	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	04/27/16 07:00	04/27/16 09:44	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	98-06-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: **SS-1 (0.5-1.5)** Lab ID: **40131320011** Collected: 04/22/16 12:50 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	04/27/16 07:00	04/27/16 09:44	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	04/27/16 07:00	04/27/16 09:44	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	04/27/16 07:00	04/27/16 09:44	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	142-28-9	W
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	04/27/16 07:00	04/27/16 09:44	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	04/27/16 07:00	04/27/16 09:44	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	79-01-6	W

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: SS-1 (0.5-1.5) **Lab ID: 40131320011** Collected: 04/22/16 12:50 Received: 04/25/16 14:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	04/27/16 07:00	04/27/16 09:44	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	04/27/16 07:00	04/27/16 09:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	53-165		1	04/27/16 07:00	04/27/16 09:44	1868-53-7	
Toluene-d8 (S)	95	%	54-163		1	04/27/16 07:00	04/27/16 09:44	2037-26-5	
4-Bromofluorobenzene (S)	81	%	48-138		1	04/27/16 07:00	04/27/16 09:44	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	24.2	%	0.10	0.10	1		05/05/16 17:05		

Sample: TW-1 / GP-1 **Lab ID: 40131320012** Collected: 04/22/16 13:00 Received: 04/25/16 14:56 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3510									
PCB-1016 (Aroclor 1016)	<0.26	ug/L	0.52	0.26	1	04/27/16 08:30	04/28/16 22:21	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.26	ug/L	0.52	0.26	1	04/27/16 08:30	04/28/16 22:21	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.26	ug/L	0.52	0.26	1	04/27/16 08:30	04/28/16 22:21	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.26	ug/L	0.52	0.26	1	04/27/16 08:30	04/28/16 22:21	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.26	ug/L	0.52	0.26	1	04/27/16 08:30	04/28/16 22:21	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.26	ug/L	0.52	0.26	1	04/27/16 08:30	04/28/16 22:21	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.26	ug/L	0.52	0.26	1	04/27/16 08:30	04/28/16 22:21	11096-82-5	
PCB, Total	<0.26	ug/L	0.52	0.26	1	04/27/16 08:30	04/28/16 22:21	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	39-151		1	04/27/16 08:30	04/28/16 22:21	877-09-8	
Decachlorobiphenyl (S)	74	%	36-140		1	04/27/16 08:30	04/28/16 22:21	2051-24-3	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.028	ug/L	0.28	0.028	5	04/29/16 08:20	04/29/16 16:17	83-32-9	
Acenaphthylene	<0.027	ug/L	0.28	0.027	5	04/29/16 08:20	04/29/16 16:17	208-96-8	
Anthracene	<0.022	ug/L	0.28	0.022	5	04/29/16 08:20	04/29/16 16:17	120-12-7	
Benzo(a)anthracene	<0.028	ug/L	0.28	0.028	5	04/29/16 08:20	04/29/16 16:17	56-55-3	
Benzo(a)pyrene	<0.025	ug/L	0.28	0.025	5	04/29/16 08:20	04/29/16 16:17	50-32-8	
Benzo(b)fluoranthene	<0.030	ug/L	0.28	0.030	5	04/29/16 08:20	04/29/16 16:17	205-99-2	
Benzo(g,h,i)perylene	<0.019	ug/L	0.28	0.019	5	04/29/16 08:20	04/29/16 16:17	191-24-2	
Benzo(k)fluoranthene	<0.031	ug/L	0.28	0.031	5	04/29/16 08:20	04/29/16 16:17	207-08-9	
Chrysene	0.027J	ug/L	0.28	0.024	5	04/29/16 08:20	04/29/16 16:17	218-01-9	
Dibenz(a,h)anthracene	<0.031	ug/L	0.28	0.031	5	04/29/16 08:20	04/29/16 16:17	53-70-3	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: TW-1 / GP-1 **Lab ID:** 40131320012 Collected: 04/22/16 13:00 Received: 04/25/16 14:56 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Fluoranthene	0.096J	ug/L	0.28	0.052	5	04/29/16 08:20	04/29/16 16:17	206-44-0	B
Fluorene	<0.022	ug/L	0.28	0.022	5	04/29/16 08:20	04/29/16 16:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.28	0.020	5	04/29/16 08:20	04/29/16 16:17	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.28	0.017	5	04/29/16 08:20	04/29/16 16:17	90-12-0	
2-Methylnaphthalene	<0.015	ug/L	0.28	0.015	5	04/29/16 08:20	04/29/16 16:17	91-57-6	
Naphthalene	<0.025	ug/L	0.28	0.025	5	04/29/16 08:20	04/29/16 16:17	91-20-3	D3
Phenanthrene	0.13J	ug/L	0.28	0.043	5	04/29/16 08:20	04/29/16 16:17	85-01-8	
Pyrene	0.12J	ug/L	0.28	0.043	5	04/29/16 08:20	04/29/16 16:17	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	43	%	25-130		5	04/29/16 08:20	04/29/16 16:17	321-60-8	
Terphenyl-d14 (S)	25	%	13-158		5	04/29/16 08:20	04/29/16 16:17	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/04/16 08:58	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/04/16 08:58	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/04/16 08:58	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/04/16 08:58	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/04/16 08:58	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/04/16 08:58	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/04/16 08:58	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/04/16 08:58	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/04/16 08:58	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/04/16 08:58	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/04/16 08:58	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/04/16 08:58	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/04/16 08:58	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/04/16 08:58	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/04/16 08:58	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/04/16 08:58	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/04/16 08:58	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/04/16 08:58	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/04/16 08:58	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/04/16 08:58	563-58-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Sample: TW-1 / GP-1 **Lab ID:** 40131320012 Collected: 04/22/16 13:00 Received: 04/25/16 14:56 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/04/16 08:58	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/04/16 08:58	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/04/16 08:58	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/04/16 08:58	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/04/16 08:58	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/04/16 08:58	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/04/16 08:58	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/04/16 08:58	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/04/16 08:58	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/04/16 08:58	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/04/16 08:58	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/04/16 08:58	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/04/16 08:58	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/04/16 08:58	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/04/16 08:58	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/04/16 08:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		05/04/16 08:58	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		05/04/16 08:58	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/04/16 08:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

QC Batch: MSV/33162 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40131320001, 40131320002, 40131320003, 40131320004, 40131320005, 40131320006, 40131320007, 40131320008, 40131320009, 40131320010

METHOD BLANK: 1326073 Matrix: Solid
 Associated Lab Samples: 40131320001, 40131320002, 40131320003, 40131320004, 40131320005, 40131320006, 40131320007, 40131320008, 40131320009, 40131320010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	<0.014	0.050	04/27/16 16:38	
1,1,1-Trichloroethane	mg/kg	<0.014	0.050	04/27/16 16:38	
1,1,2,2-Tetrachloroethane	mg/kg	<0.018	0.050	04/27/16 16:38	
1,1,2-Trichloroethane	mg/kg	<0.020	0.050	04/27/16 16:38	
1,1-Dichloroethane	mg/kg	<0.018	0.050	04/27/16 16:38	
1,1-Dichloroethene	mg/kg	<0.018	0.050	04/27/16 16:38	
1,1-Dichloropropene	mg/kg	<0.014	0.050	04/27/16 16:38	
1,2,3-Trichlorobenzene	mg/kg	<0.017	0.050	04/27/16 16:38	
1,2,3-Trichloropropane	mg/kg	<0.022	0.050	04/27/16 16:38	
1,2,4-Trichlorobenzene	mg/kg	<0.048	0.25	04/27/16 16:38	
1,2,4-Trimethylbenzene	mg/kg	<0.012	0.050	04/27/16 16:38	
1,2-Dibromo-3-chloropropane	mg/kg	<0.091	0.25	04/27/16 16:38	
1,2-Dibromoethane (EDB)	mg/kg	<0.015	0.050	04/27/16 16:38	
1,2-Dichlorobenzene	mg/kg	<0.016	0.050	04/27/16 16:38	
1,2-Dichloroethane	mg/kg	<0.015	0.050	04/27/16 16:38	
1,2-Dichloropropane	mg/kg	<0.017	0.050	04/27/16 16:38	
1,3,5-Trimethylbenzene	mg/kg	<0.014	0.050	04/27/16 16:38	
1,3-Dichlorobenzene	mg/kg	<0.013	0.050	04/27/16 16:38	
1,3-Dichloropropane	mg/kg	<0.012	0.050	04/27/16 16:38	
1,4-Dichlorobenzene	mg/kg	<0.016	0.050	04/27/16 16:38	
2,2-Dichloropropane	mg/kg	<0.013	0.050	04/27/16 16:38	
2-Chlorotoluene	mg/kg	<0.016	0.050	04/27/16 16:38	
4-Chlorotoluene	mg/kg	<0.013	0.050	04/27/16 16:38	
Benzene	mg/kg	<0.0092	0.020	04/27/16 16:38	
Bromobenzene	mg/kg	<0.021	0.050	04/27/16 16:38	
Bromochloromethane	mg/kg	<0.021	0.050	04/27/16 16:38	
Bromodichloromethane	mg/kg	<0.0098	0.050	04/27/16 16:38	
Bromoform	mg/kg	<0.020	0.050	04/27/16 16:38	
Bromomethane	mg/kg	<0.070	0.25	04/27/16 16:38	
Carbon tetrachloride	mg/kg	<0.012	0.050	04/27/16 16:38	
Chlorobenzene	mg/kg	<0.015	0.050	04/27/16 16:38	
Chloroethane	mg/kg	<0.067	0.25	04/27/16 16:38	
Chloroform	mg/kg	<0.046	0.25	04/27/16 16:38	
Chloromethane	mg/kg	<0.020	0.050	04/27/16 16:38	
cis-1,2-Dichloroethene	mg/kg	<0.017	0.050	04/27/16 16:38	
cis-1,3-Dichloropropene	mg/kg	<0.017	0.050	04/27/16 16:38	
Dibromochloromethane	mg/kg	<0.018	0.050	04/27/16 16:38	
Dibromomethane	mg/kg	<0.019	0.050	04/27/16 16:38	
Dichlorodifluoromethane	mg/kg	<0.012	0.050	04/27/16 16:38	
Diisopropyl ether	mg/kg	<0.018	0.050	04/27/16 16:38	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

METHOD BLANK: 1326073

Matrix: Solid

Associated Lab Samples: 40131320001, 40131320002, 40131320003, 40131320004, 40131320005, 40131320006, 40131320007, 40131320008, 40131320009, 40131320010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	<0.012	0.050	04/27/16 16:38	
Hexachloro-1,3-butadiene	mg/kg	<0.024	0.050	04/27/16 16:38	
Isopropylbenzene (Cumene)	mg/kg	<0.013	0.050	04/27/16 16:38	
m&p-Xylene	mg/kg	<0.034	0.10	04/27/16 16:38	
Methyl-tert-butyl ether	mg/kg	<0.013	0.050	04/27/16 16:38	
Methylene Chloride	mg/kg	<0.016	0.050	04/27/16 16:38	
n-Butylbenzene	mg/kg	<0.011	0.050	04/27/16 16:38	
n-Propylbenzene	mg/kg	<0.012	0.050	04/27/16 16:38	
Naphthalene	mg/kg	<0.040	0.25	04/27/16 16:38	
o-Xylene	mg/kg	<0.014	0.050	04/27/16 16:38	
p-Isopropyltoluene	mg/kg	<0.012	0.050	04/27/16 16:38	
sec-Butylbenzene	mg/kg	<0.012	0.050	04/27/16 16:38	
Styrene	mg/kg	<0.0090	0.050	04/27/16 16:38	
tert-Butylbenzene	mg/kg	<0.0095	0.050	04/27/16 16:38	
Tetrachloroethene	mg/kg	<0.013	0.050	04/27/16 16:38	
Toluene	mg/kg	<0.011	0.050	04/27/16 16:38	
trans-1,2-Dichloroethene	mg/kg	<0.016	0.050	04/27/16 16:38	
trans-1,3-Dichloropropene	mg/kg	<0.014	0.050	04/27/16 16:38	
Trichloroethene	mg/kg	<0.024	0.050	04/27/16 16:38	
Trichlorofluoromethane	mg/kg	<0.025	0.050	04/27/16 16:38	
Vinyl chloride	mg/kg	<0.021	0.050	04/27/16 16:38	
4-Bromofluorobenzene (S)	%	89	48-138	04/27/16 16:38	
Dibromofluoromethane (S)	%	106	53-165	04/27/16 16:38	
Toluene-d8 (S)	%	104	54-163	04/27/16 16:38	

LABORATORY CONTROL SAMPLE: 1326074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	2.5	2.4	95	70-130	
1,1,2,2-Tetrachloroethane	mg/kg	2.5	2.6	102	70-130	
1,1,2-Trichloroethane	mg/kg	2.5	2.5	100	70-130	
1,1-Dichloroethane	mg/kg	2.5	2.3	92	70-133	
1,1-Dichloroethene	mg/kg	2.5	2.1	84	70-130	
1,2,4-Trichlorobenzene	mg/kg	2.5	2.3	94	70-130	
1,2-Dibromo-3-chloropropane	mg/kg	2.5	2.5	99	50-150	
1,2-Dibromoethane (EDB)	mg/kg	2.5	2.5	101	70-130	
1,2-Dichlorobenzene	mg/kg	2.5	2.3	94	70-130	
1,2-Dichloroethane	mg/kg	2.5	2.5	100	70-138	
1,2-Dichloropropane	mg/kg	2.5	2.5	99	70-130	
1,3-Dichlorobenzene	mg/kg	2.5	2.3	92	70-130	
1,4-Dichlorobenzene	mg/kg	2.5	2.4	95	70-130	
Benzene	mg/kg	2.5	2.5	99	70-130	
Bromodichloromethane	mg/kg	2.5	2.5	101	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER
Pace Project No.: 40131320

LABORATORY CONTROL SAMPLE: 1326074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	mg/kg	2.5	2.3	90	68-130	
Bromomethane	mg/kg	2.5	2.0	81	25-163	
Carbon tetrachloride	mg/kg	2.5	2.4	96	70-130	
Chlorobenzene	mg/kg	2.5	2.4	97	70-130	
Chloroethane	mg/kg	2.5	2.2	89	34-151	
Chloroform	mg/kg	2.5	2.3	94	70-130	
Chloromethane	mg/kg	2.5	1.6	66	52-130	
cis-1,2-Dichloroethene	mg/kg	2.5	2.3	91	70-130	
cis-1,3-Dichloropropene	mg/kg	2.5	2.3	94	70-130	
Dibromochloromethane	mg/kg	2.5	2.6	104	70-130	
Dichlorodifluoromethane	mg/kg	2.5	1.2	48	27-150	
Ethylbenzene	mg/kg	2.5	2.5	101	70-130	
Isopropylbenzene (Cumene)	mg/kg	2.5	2.4	95	70-130	
m&p-Xylene	mg/kg	5	5.2	104	70-130	
Methyl-tert-butyl ether	mg/kg	2.5	2.5	101	70-130	
Methylene Chloride	mg/kg	2.5	2.4	97	70-131	
o-Xylene	mg/kg	2.5	2.5	100	70-130	
Styrene	mg/kg	2.5	2.4	96	70-130	
Tetrachloroethene	mg/kg	2.5	2.6	103	70-130	
Toluene	mg/kg	2.5	2.6	103	70-130	
trans-1,2-Dichloroethene	mg/kg	2.5	2.2	87	70-130	
trans-1,3-Dichloropropene	mg/kg	2.5	2.6	103	70-130	
Trichloroethene	mg/kg	2.5	2.5	100	70-130	
Trichlorofluoromethane	mg/kg	2.5	2.0	82	50-150	
Vinyl chloride	mg/kg	2.5	1.8	74	57-130	
4-Bromofluorobenzene (S)	%			95	48-138	
Dibromofluoromethane (S)	%			96	53-165	
Toluene-d8 (S)	%			102	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1326075 1326076

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40131320002 Result	Spike Conc.	Spike Conc.	Result							
1,1,1-Trichloroethane	mg/kg	<0.025	1.4	1.4	1.3	1.2	87	82	70-130	5	20	
1,1,2,2-Tetrachloroethane	mg/kg	<0.025	1.4	1.4	1.5	1.5	99	102	70-130	4	20	
1,1,2-Trichloroethane	mg/kg	<0.025	1.4	1.4	1.4	1.4	94	96	70-130	2	20	
1,1-Dichloroethane	mg/kg	<0.025	1.4	1.4	1.3	1.2	91	84	64-133	8	20	
1,1-Dichloroethene	mg/kg	<0.025	1.4	1.4	1.1	0.91	75	62	56-130	20	24	
1,2,4-Trichlorobenzene	mg/kg	<0.048	1.4	1.4	1.4	1.3	98	92	70-130	6	20	
1,2-Dibromo-3-chloropropane	mg/kg	<0.091	1.4	1.4	1.5	1.4	100	92	50-150	8	20	
1,2-Dibromoethane (EDB)	mg/kg	<0.025	1.4	1.4	1.5	1.4	101	98	70-130	3	20	
1,2-Dichlorobenzene	mg/kg	<0.025	1.4	1.4	1.4	1.3	93	91	70-130	2	20	
1,2-Dichloroethane	mg/kg	<0.025	1.4	1.4	1.5	1.3	102	91	70-138	11	20	
1,2-Dichloropropane	mg/kg	<0.025	1.4	1.4	1.4	1.4	97	94	70-130	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Parameter	Units	1326075		1326076		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40131320002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	mg/kg	<0.025	1.4	1.4	1.4	1.3	93	89	70-130	4	20	
1,4-Dichlorobenzene	mg/kg	<0.025	1.4	1.4	1.4	1.4	95	94	70-130	1	20	
Benzene	mg/kg	<0.025	1.4	1.4	1.4	1.3	97	90	70-130	8	20	
Bromodichloromethane	mg/kg	<0.025	1.4	1.4	1.4	1.4	97	93	70-130	4	20	
Bromoform	mg/kg	<0.025	1.4	1.4	1.4	1.4	97	92	65-130	5	20	
Bromomethane	mg/kg	<0.070	1.4	1.4	1.1	0.93	74	63	11-163	15	21	
Carbon tetrachloride	mg/kg	<0.025	1.4	1.4	1.3	1.2	87	81	70-130	8	20	
Chlorobenzene	mg/kg	<0.025	1.4	1.4	1.4	1.4	98	93	70-130	5	20	
Chloroethane	mg/kg	<0.067	1.4	1.4	0.83	0.80	56	54	17-151	3	20	
Chloroform	mg/kg	<0.046	1.4	1.4	1.3	1.3	91	87	70-130	4	20	
Chloromethane	mg/kg	<0.025	1.4	1.4	0.71	0.64	48	43	13-130	10	20	
cis-1,2-Dichloroethene	mg/kg	<0.025	1.4	1.4	1.3	1.2	87	81	70-130	7	20	
cis-1,3-Dichloropropene	mg/kg	<0.025	1.4	1.4	1.3	1.3	90	87	70-130	3	20	
Dibromochloromethane	mg/kg	<0.025	1.4	1.4	1.4	1.4	98	97	70-130	1	20	
Dichlorodifluoromethane	mg/kg	<0.025	1.4	1.4	0.31	0.29	21	20	10-150	7	21	
Ethylbenzene	mg/kg	<0.025	1.4	1.4	1.4	1.3	94	88	70-130	6	20	
Isopropylbenzene (Cumene)	mg/kg	<0.025	1.4	1.4	1.3	1.2	88	84	70-130	5	20	
m&p-Xylene	mg/kg	<0.050	2.9	2.9	2.9	2.7	97	93	70-130	4	20	
Methyl-tert-butyl ether	mg/kg	<0.025	1.4	1.4	1.4	1.4	98	96	70-130	1	20	
Methylene Chloride	mg/kg	<0.025	1.4	1.4	1.3	1.2	89	84	70-131	6	20	
o-Xylene	mg/kg	<0.025	1.4	1.4	1.4	1.3	93	90	70-130	3	20	
Styrene	mg/kg	<0.025	1.4	1.4	1.4	1.4	96	92	70-130	4	20	
Tetrachloroethene	mg/kg	<0.025	1.4	1.4	1.4	1.3	94	86	70-130	8	20	
Toluene	mg/kg	<0.025	1.4	1.4	1.5	1.4	101	95	70-130	6	20	
trans-1,2-Dichloroethene	mg/kg	<0.025	1.4	1.4	1.2	1.1	84	78	70-130	7	20	
trans-1,3-Dichloropropene	mg/kg	<0.025	1.4	1.4	1.5	1.4	99	95	70-130	3	20	
Trichloroethene	mg/kg	<0.025	1.4	1.4	1.4	1.3	96	89	70-130	7	20	
Trichlorofluoromethane	mg/kg	<0.025	1.4	1.4	1.1	0.87	75	59	40-150	24	31	
Vinyl chloride	mg/kg	<0.025	1.4	1.4	0.83	0.76	56	52	26-130	8	20	
4-Bromofluorobenzene (S)	%						92	92	48-138			
Dibromofluoromethane (S)	%						98	94	53-165			
Toluene-d8 (S)	%						100	98	54-163			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER
Pace Project No.: 40131320

QC Batch: MSV/33172 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40131320011

METHOD BLANK: 1326464 Matrix: Solid
Associated Lab Samples: 40131320011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	<0.014	0.050	04/27/16 07:38	
1,1,1-Trichloroethane	mg/kg	<0.014	0.050	04/27/16 07:38	
1,1,2,2-Tetrachloroethane	mg/kg	<0.018	0.050	04/27/16 07:38	
1,1,2-Trichloroethane	mg/kg	<0.020	0.050	04/27/16 07:38	
1,1-Dichloroethane	mg/kg	<0.018	0.050	04/27/16 07:38	
1,1-Dichloroethene	mg/kg	<0.018	0.050	04/27/16 07:38	
1,1-Dichloropropene	mg/kg	<0.014	0.050	04/27/16 07:38	
1,2,3-Trichlorobenzene	mg/kg	<0.017	0.050	04/27/16 07:38	
1,2,3-Trichloropropane	mg/kg	<0.022	0.050	04/27/16 07:38	
1,2,4-Trichlorobenzene	mg/kg	<0.048	0.25	04/27/16 07:38	
1,2,4-Trimethylbenzene	mg/kg	<0.012	0.050	04/27/16 07:38	
1,2-Dibromo-3-chloropropane	mg/kg	<0.091	0.25	04/27/16 07:38	
1,2-Dibromoethane (EDB)	mg/kg	<0.015	0.050	04/27/16 07:38	
1,2-Dichlorobenzene	mg/kg	<0.016	0.050	04/27/16 07:38	
1,2-Dichloroethane	mg/kg	<0.015	0.050	04/27/16 07:38	
1,2-Dichloropropane	mg/kg	<0.017	0.050	04/27/16 07:38	
1,3,5-Trimethylbenzene	mg/kg	<0.014	0.050	04/27/16 07:38	
1,3-Dichlorobenzene	mg/kg	<0.013	0.050	04/27/16 07:38	
1,3-Dichloropropane	mg/kg	<0.012	0.050	04/27/16 07:38	
1,4-Dichlorobenzene	mg/kg	<0.016	0.050	04/27/16 07:38	
2,2-Dichloropropane	mg/kg	<0.013	0.050	04/27/16 07:38	
2-Chlorotoluene	mg/kg	<0.016	0.050	04/27/16 07:38	
4-Chlorotoluene	mg/kg	<0.013	0.050	04/27/16 07:38	
Benzene	mg/kg	<0.0092	0.020	04/27/16 07:38	
Bromobenzene	mg/kg	<0.021	0.050	04/27/16 07:38	
Bromochloromethane	mg/kg	<0.021	0.050	04/27/16 07:38	
Bromodichloromethane	mg/kg	<0.0098	0.050	04/27/16 07:38	
Bromoform	mg/kg	<0.020	0.050	04/27/16 07:38	
Bromomethane	mg/kg	<0.070	0.25	04/27/16 07:38	
Carbon tetrachloride	mg/kg	<0.012	0.050	04/27/16 07:38	
Chlorobenzene	mg/kg	<0.015	0.050	04/27/16 07:38	
Chloroethane	mg/kg	<0.067	0.25	04/27/16 07:38	
Chloroform	mg/kg	<0.046	0.25	04/27/16 07:38	
Chloromethane	mg/kg	<0.020	0.050	04/27/16 07:38	
cis-1,2-Dichloroethene	mg/kg	<0.017	0.050	04/27/16 07:38	
cis-1,3-Dichloropropene	mg/kg	<0.017	0.050	04/27/16 07:38	
Dibromochloromethane	mg/kg	<0.018	0.050	04/27/16 07:38	
Dibromomethane	mg/kg	<0.019	0.050	04/27/16 07:38	
Dichlorodifluoromethane	mg/kg	<0.012	0.050	04/27/16 07:38	
Diisopropyl ether	mg/kg	<0.018	0.050	04/27/16 07:38	
Ethylbenzene	mg/kg	<0.012	0.050	04/27/16 07:38	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

METHOD BLANK: 1326464

Matrix: Solid

Associated Lab Samples: 40131320011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	mg/kg	<0.024	0.050	04/27/16 07:38	
Isopropylbenzene (Cumene)	mg/kg	<0.013	0.050	04/27/16 07:38	
m&p-Xylene	mg/kg	<0.034	0.10	04/27/16 07:38	
Methyl-tert-butyl ether	mg/kg	<0.013	0.050	04/27/16 07:38	
Methylene Chloride	mg/kg	<0.016	0.050	04/27/16 07:38	
n-Butylbenzene	mg/kg	<0.011	0.050	04/27/16 07:38	
n-Propylbenzene	mg/kg	<0.012	0.050	04/27/16 07:38	
Naphthalene	mg/kg	<0.040	0.25	04/27/16 07:38	
o-Xylene	mg/kg	<0.014	0.050	04/27/16 07:38	
p-Isopropyltoluene	mg/kg	<0.012	0.050	04/27/16 07:38	
sec-Butylbenzene	mg/kg	<0.012	0.050	04/27/16 07:38	
Styrene	mg/kg	<0.0090	0.050	04/27/16 07:38	
tert-Butylbenzene	mg/kg	<0.0095	0.050	04/27/16 07:38	
Tetrachloroethene	mg/kg	<0.013	0.050	04/27/16 07:38	
Toluene	mg/kg	<0.011	0.050	04/27/16 07:38	
trans-1,2-Dichloroethene	mg/kg	<0.016	0.050	04/27/16 07:38	
trans-1,3-Dichloropropene	mg/kg	<0.014	0.050	04/27/16 07:38	
Trichloroethene	mg/kg	<0.024	0.050	04/27/16 07:38	
Trichlorofluoromethane	mg/kg	<0.025	0.050	04/27/16 07:38	
Vinyl chloride	mg/kg	<0.021	0.050	04/27/16 07:38	
4-Bromofluorobenzene (S)	%	88	48-138	04/27/16 07:38	
Dibromofluoromethane (S)	%	103	53-165	04/27/16 07:38	
Toluene-d8 (S)	%	102	54-163	04/27/16 07:38	

LABORATORY CONTROL SAMPLE: 1326465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	2.5	2.5	99	70-130	
1,1,2,2-Tetrachloroethane	mg/kg	2.5	2.6	105	70-130	
1,1,2-Trichloroethane	mg/kg	2.5	2.6	103	70-130	
1,1-Dichloroethane	mg/kg	2.5	2.4	97	70-133	
1,1-Dichloroethene	mg/kg	2.5	2.3	90	70-130	
1,2,4-Trichlorobenzene	mg/kg	2.5	2.5	99	70-130	
1,2-Dibromo-3-chloropropane	mg/kg	2.5	2.5	98	50-150	
1,2-Dibromoethane (EDB)	mg/kg	2.5	2.6	104	70-130	
1,2-Dichlorobenzene	mg/kg	2.5	2.4	96	70-130	
1,2-Dichloroethane	mg/kg	2.5	2.6	104	70-138	
1,2-Dichloropropane	mg/kg	2.5	2.6	104	70-130	
1,3-Dichlorobenzene	mg/kg	2.5	2.4	97	70-130	
1,4-Dichlorobenzene	mg/kg	2.5	2.5	100	70-130	
Benzene	mg/kg	2.5	2.5	101	70-130	
Bromodichloromethane	mg/kg	2.5	2.6	105	70-130	
Bromoform	mg/kg	2.5	2.3	93	68-130	
Bromomethane	mg/kg	2.5	2.2	86	25-163	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

LABORATORY CONTROL SAMPLE: 1326465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	mg/kg	2.5	2.5	101	70-130	
Chlorobenzene	mg/kg	2.5	2.5	101	70-130	
Chloroethane	mg/kg	2.5	2.4	95	34-151	
Chloroform	mg/kg	2.5	2.4	97	70-130	
Chloromethane	mg/kg	2.5	1.8	70	52-130	
cis-1,2-Dichloroethene	mg/kg	2.5	2.3	94	70-130	
cis-1,3-Dichloropropene	mg/kg	2.5	2.4	97	70-130	
Dibromochloromethane	mg/kg	2.5	2.7	108	70-130	
Dichlorodifluoromethane	mg/kg	2.5	1.3	51	27-150	
Ethylbenzene	mg/kg	2.5	2.7	106	70-130	
Isopropylbenzene (Cumene)	mg/kg	2.5	2.5	98	70-130	
m&p-Xylene	mg/kg	5	5.4	107	70-130	
Methyl-tert-butyl ether	mg/kg	2.5	2.5	99	70-130	
Methylene Chloride	mg/kg	2.5	2.5	101	70-131	
o-Xylene	mg/kg	2.5	2.6	102	70-130	
Styrene	mg/kg	2.5	2.5	99	70-130	
Tetrachloroethene	mg/kg	2.5	2.5	101	70-130	
Toluene	mg/kg	2.5	2.6	104	70-130	
trans-1,2-Dichloroethene	mg/kg	2.5	2.2	88	70-130	
trans-1,3-Dichloropropene	mg/kg	2.5	2.7	107	70-130	
Trichloroethene	mg/kg	2.5	2.6	106	70-130	
Trichlorofluoromethane	mg/kg	2.5	2.4	96	50-150	
Vinyl chloride	mg/kg	2.5	1.9	78	57-130	
4-Bromofluorobenzene (S)	%			99	48-138	
Dibromofluoromethane (S)	%			99	53-165	
Toluene-d8 (S)	%			103	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1326466 1326467

Parameter	Units	40131320011		MSD		MSD		% Rec	% Rec	% Rec	Limits	RPD	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1,1,1-Trichloroethane	mg/kg	<0.025	1.6	1.6	1.4	1.4	88	86	70-130	2	20			
1,1,2,2-Tetrachloroethane	mg/kg	<0.025	1.6	1.6	1.6	1.6	96	98	70-130	3	20			
1,1,2-Trichloroethane	mg/kg	<0.025	1.6	1.6	1.6	1.6	96	98	70-130	1	20			
1,1-Dichloroethane	mg/kg	<0.025	1.6	1.6	1.4	1.4	84	87	64-133	4	20			
1,1-Dichloroethene	mg/kg	<0.025	1.6	1.6	1.3	1.2	77	73	56-130	6	24			
1,2,4-Trichlorobenzene	mg/kg	<0.048	1.6	1.6	1.7	1.5	101	92	70-130	9	20			
1,2-Dibromo-3-chloropropane	mg/kg	<0.091	1.6	1.6	1.6	1.5	96	89	50-150	8	20			
1,2-Dibromoethane (EDB)	mg/kg	<0.025	1.6	1.6	1.7	1.7	102	102	70-130	1	20			
1,2-Dichlorobenzene	mg/kg	<0.025	1.6	1.6	1.6	1.5	96	92	70-130	5	20			
1,2-Dichloroethane	mg/kg	<0.025	1.6	1.6	1.7	1.6	100	95	70-138	5	20			
1,2-Dichloropropane	mg/kg	<0.025	1.6	1.6	1.6	1.6	98	95	70-130	3	20			
1,3-Dichlorobenzene	mg/kg	<0.025	1.6	1.6	1.6	1.5	95	90	70-130	5	20			
1,4-Dichlorobenzene	mg/kg	<0.025	1.6	1.6	1.6	1.6	98	94	70-130	4	20			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Parameter	Units	1326466		1326467		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40131320011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Benzene	mg/kg	<0.025	1.6	1.6	1.6	1.5	95	92	70-130	3	20	
Bromodichloromethane	mg/kg	<0.025	1.6	1.6	1.6	1.6	99	99	70-130	1	20	
Bromoform	mg/kg	<0.025	1.6	1.6	1.6	1.6	96	98	65-130	2	20	
Bromomethane	mg/kg	<0.070	1.6	1.6	1.2	1.1	75	68	11-163	10	21	
Carbon tetrachloride	mg/kg	<0.025	1.6	1.6	1.5	1.4	91	87	70-130	4	20	
Chlorobenzene	mg/kg	<0.025	1.6	1.6	1.6	1.6	96	95	70-130	1	20	
Chloroethane	mg/kg	<0.067	1.6	1.6	0.95	0.90	57	55	17-151	5	20	
Chloroform	mg/kg	<0.046	1.6	1.6	1.6	1.5	95	90	70-130	5	20	
Chloromethane	mg/kg	<0.025	1.6	1.6	0.77	0.74	47	45	13-130	3	20	
cis-1,2-Dichloroethene	mg/kg	<0.025	1.6	1.6	1.4	1.4	87	85	70-130	3	20	
cis-1,3-Dichloropropene	mg/kg	<0.025	1.6	1.6	1.5	1.5	91	92	70-130	1	20	
Dibromochloromethane	mg/kg	<0.025	1.6	1.6	1.7	1.7	102	101	70-130	1	20	
Dichlorodifluoromethane	mg/kg	<0.025	1.6	1.6	0.37	0.34	22	20	10-150	9	21	
Ethylbenzene	mg/kg	<0.025	1.6	1.6	1.5	1.5	94	93	70-130	1	20	
Isopropylbenzene (Cumene)	mg/kg	<0.025	1.6	1.6	1.5	1.4	89	88	70-130	1	20	
m&p-Xylene	mg/kg	<0.050	3.3	3.3	3.2	3.2	98	97	70-130	1	20	
Methyl-tert-butyl ether	mg/kg	<0.025	1.6	1.6	1.6	1.6	98	95	70-130	2	20	
Methylene Chloride	mg/kg	<0.025	1.6	1.6	1.5	1.4	93	88	70-131	6	20	
o-Xylene	mg/kg	<0.025	1.6	1.6	1.6	1.6	95	95	70-130	1	20	
Styrene	mg/kg	<0.025	1.6	1.6	1.6	1.6	95	95	70-130	0	20	
Tetrachloroethene	mg/kg	<0.025	1.6	1.6	1.6	1.6	95	96	70-130	1	20	
Toluene	mg/kg	<0.025	1.6	1.6	1.6	1.6	99	99	70-130	0	20	
trans-1,2-Dichloroethene	mg/kg	<0.025	1.6	1.6	1.3	1.3	82	80	70-130	2	20	
trans-1,3-Dichloropropene	mg/kg	<0.025	1.6	1.6	1.6	1.6	99	98	70-130	1	20	
Trichloroethene	mg/kg	<0.025	1.6	1.6	1.6	1.6	96	94	70-130	2	20	
Trichlorofluoromethane	mg/kg	<0.025	1.6	1.6	1.3	1.3	77	77	40-150	0	31	
Vinyl chloride	mg/kg	<0.025	1.6	1.6	0.91	0.89	55	54	26-130	3	20	
4-Bromofluorobenzene (S)	%						91	90	48-138			
Dibromofluoromethane (S)	%						96	87	53-165			
Toluene-d8 (S)	%						95	93	54-163			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

QC Batch: MSV/33267

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 40131320012

METHOD BLANK: 1329077

Matrix: Water

Associated Lab Samples: 40131320012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/03/16 15:14	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/03/16 15:14	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/03/16 15:14	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/03/16 15:14	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/03/16 15:14	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/03/16 15:14	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/03/16 15:14	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/03/16 15:14	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/03/16 15:14	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/03/16 15:14	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/03/16 15:14	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/03/16 15:14	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/03/16 15:14	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/03/16 15:14	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/03/16 15:14	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/03/16 15:14	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/03/16 15:14	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/03/16 15:14	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/03/16 15:14	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/03/16 15:14	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/03/16 15:14	
2-Chlorotoluene	ug/L	<0.50	1.0	05/03/16 15:14	
4-Chlorotoluene	ug/L	<0.21	1.0	05/03/16 15:14	
Benzene	ug/L	<0.50	1.0	05/03/16 15:14	
Bromobenzene	ug/L	<0.23	1.0	05/03/16 15:14	
Bromochloromethane	ug/L	<0.34	1.0	05/03/16 15:14	
Bromodichloromethane	ug/L	<0.50	1.0	05/03/16 15:14	
Bromoform	ug/L	<0.50	1.0	05/03/16 15:14	
Bromomethane	ug/L	<2.4	5.0	05/03/16 15:14	
Carbon tetrachloride	ug/L	<0.50	1.0	05/03/16 15:14	
Chlorobenzene	ug/L	<0.50	1.0	05/03/16 15:14	
Chloroethane	ug/L	<0.37	1.0	05/03/16 15:14	
Chloroform	ug/L	<2.5	5.0	05/03/16 15:14	
Chloromethane	ug/L	<0.50	1.0	05/03/16 15:14	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/03/16 15:14	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/03/16 15:14	
Dibromochloromethane	ug/L	<0.50	1.0	05/03/16 15:14	
Dibromomethane	ug/L	<0.43	1.0	05/03/16 15:14	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/03/16 15:14	
Diisopropyl ether	ug/L	<0.50	1.0	05/03/16 15:14	
Ethylbenzene	ug/L	<0.50	1.0	05/03/16 15:14	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

METHOD BLANK: 1329077

Matrix: Water

Associated Lab Samples: 40131320012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/03/16 15:14	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/03/16 15:14	
m&p-Xylene	ug/L	<1.0	2.0	05/03/16 15:14	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/03/16 15:14	
Methylene Chloride	ug/L	<0.23	1.0	05/03/16 15:14	
n-Butylbenzene	ug/L	<0.50	1.0	05/03/16 15:14	
n-Propylbenzene	ug/L	<0.50	1.0	05/03/16 15:14	
Naphthalene	ug/L	<2.5	5.0	05/03/16 15:14	
o-Xylene	ug/L	<0.50	1.0	05/03/16 15:14	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/03/16 15:14	
sec-Butylbenzene	ug/L	<2.2	5.0	05/03/16 15:14	
Styrene	ug/L	<0.50	1.0	05/03/16 15:14	
tert-Butylbenzene	ug/L	<0.18	1.0	05/03/16 15:14	
Tetrachloroethene	ug/L	<0.50	1.0	05/03/16 15:14	
Toluene	ug/L	<0.50	1.0	05/03/16 15:14	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/03/16 15:14	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/03/16 15:14	
Trichloroethene	ug/L	<0.33	1.0	05/03/16 15:14	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/03/16 15:14	
Vinyl chloride	ug/L	<0.18	1.0	05/03/16 15:14	
4-Bromofluorobenzene (S)	%	85	70-130	05/03/16 15:14	
Dibromofluoromethane (S)	%	113	70-130	05/03/16 15:14	
Toluene-d8 (S)	%	96	70-130	05/03/16 15:14	

LABORATORY CONTROL SAMPLE: 1329078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.6	101	70-131	
1,1,1,2-Tetrachloroethane	ug/L	50	54.1	108	67-130	
1,1,2-Trichloroethane	ug/L	50	56.1	112	70-130	
1,1-Dichloroethane	ug/L	50	50.1	100	70-133	
1,1-Dichloroethene	ug/L	50	48.8	98	70-130	
1,2,4-Trichlorobenzene	ug/L	50	41.6	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.3	89	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,2-Dichloroethane	ug/L	50	51.3	103	70-130	
1,2-Dichloropropane	ug/L	50	57.9	116	70-130	
1,3-Dichlorobenzene	ug/L	50	48.6	97	70-130	
1,4-Dichlorobenzene	ug/L	50	51.8	104	70-130	
Benzene	ug/L	50	51.1	102	60-135	
Bromodichloromethane	ug/L	50	57.2	114	70-130	
Bromoform	ug/L	50	49.4	99	70-130	
Bromomethane	ug/L	50	37.9	76	33-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER
Pace Project No.: 40131320

LABORATORY CONTROL SAMPLE: 1329078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.4	107	70-138	
Chlorobenzene	ug/L	50	52.5	105	70-130	
Chloroethane	ug/L	50	55.6	111	51-130	
Chloroform	ug/L	50	54.2	108	70-130	
Chloromethane	ug/L	50	47.6	95	25-132	
cis-1,2-Dichloroethene	ug/L	50	45.2	90	69-130	
cis-1,3-Dichloropropene	ug/L	50	47.7	95	70-130	
Dibromochloromethane	ug/L	50	49.0	98	70-130	
Dichlorodifluoromethane	ug/L	50	30.5	61	23-130	
Ethylbenzene	ug/L	50	52.2	104	70-136	
Isopropylbenzene (Cumene)	ug/L	50	52.5	105	70-140	
m&p-Xylene	ug/L	100	109	109	70-138	
Methyl-tert-butyl ether	ug/L	50	41.7	83	66-138	
Methylene Chloride	ug/L	50	50.7	101	70-130	
o-Xylene	ug/L	50	51.4	103	70-134	
Styrene	ug/L	50	56.4	113	70-133	
Tetrachloroethene	ug/L	50	52.4	105	70-138	
Toluene	ug/L	50	53.1	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.3	97	70-131	
trans-1,3-Dichloropropene	ug/L	50	41.7	83	69-130	
Trichloroethene	ug/L	50	55.4	111	70-130	
Trichlorofluoromethane	ug/L	50	53.7	107	50-150	
Vinyl chloride	ug/L	50	52.2	104	49-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			109	70-130	
Toluene-d8 (S)	%			97	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER
Pace Project No.: 40131320

QC Batch: OEXT/30247 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40131320001, 40131320002, 40131320003, 40131320004, 40131320005, 40131320006, 40131320007, 40131320008, 40131320009, 40131320010, 40131320011

METHOD BLANK: 1326024 Matrix: Solid
Associated Lab Samples: 40131320001, 40131320002, 40131320003, 40131320004, 40131320005, 40131320006, 40131320007, 40131320008, 40131320009, 40131320010, 40131320011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	<0.025	0.050	04/27/16 14:55	
PCB-1221 (Aroclor 1221)	mg/kg	<0.025	0.050	04/27/16 14:55	
PCB-1232 (Aroclor 1232)	mg/kg	<0.025	0.050	04/27/16 14:55	
PCB-1242 (Aroclor 1242)	mg/kg	<0.025	0.050	04/27/16 14:55	
PCB-1248 (Aroclor 1248)	mg/kg	<0.025	0.050	04/27/16 14:55	
PCB-1254 (Aroclor 1254)	mg/kg	<0.025	0.050	04/27/16 14:55	
PCB-1260 (Aroclor 1260)	mg/kg	<0.025	0.050	04/27/16 14:55	
Decachlorobiphenyl (S)	%	92	48-130	04/27/16 14:55	
Tetrachloro-m-xylene (S)	%	87	63-130	04/27/16 14:55	

LABORATORY CONTROL SAMPLE: 1326025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg		<0.025			
PCB-1221 (Aroclor 1221)	mg/kg		<0.025			
PCB-1232 (Aroclor 1232)	mg/kg		<0.025			
PCB-1242 (Aroclor 1242)	mg/kg		<0.025			
PCB-1248 (Aroclor 1248)	mg/kg		<0.025			
PCB-1254 (Aroclor 1254)	mg/kg		<0.025			
PCB-1260 (Aroclor 1260)	mg/kg	.5	0.49	99	55-130	
Decachlorobiphenyl (S)	%			96	48-130	
Tetrachloro-m-xylene (S)	%			89	63-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1326026 1326027

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40131320011 Result	Spike Conc.	Spike Conc.	MS Result						
PCB-1016 (Aroclor 1016)	mg/kg	<0.033			<0.033	<0.033					20
PCB-1221 (Aroclor 1221)	mg/kg	<0.033			<0.033	<0.033					20
PCB-1232 (Aroclor 1232)	mg/kg	<0.033			<0.033	<0.033					20
PCB-1242 (Aroclor 1242)	mg/kg	<0.033			<0.033	<0.033					20
PCB-1248 (Aroclor 1248)	mg/kg	<0.033			<0.033	<0.033					20
PCB-1254 (Aroclor 1254)	mg/kg	<0.033			<0.033	<0.033					20
PCB-1260 (Aroclor 1260)	mg/kg	<0.033	.66	.66	0.61	0.61	92	92	40-130	0	20
Decachlorobiphenyl (S)	%						85	85	48-130		
Tetrachloro-m-xylene (S)	%						82	85	63-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER
Pace Project No.: 40131320

QC Batch: OEXT/30256 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40131320012

METHOD BLANK: 1326215 Matrix: Water
Associated Lab Samples: 40131320012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.25	0.50	04/28/16 14:56	
PCB-1221 (Aroclor 1221)	ug/L	<0.25	0.50	04/28/16 14:56	
PCB-1232 (Aroclor 1232)	ug/L	<0.25	0.50	04/28/16 14:56	
PCB-1242 (Aroclor 1242)	ug/L	<0.25	0.50	04/28/16 14:56	
PCB-1248 (Aroclor 1248)	ug/L	<0.25	0.50	04/28/16 14:56	
PCB-1254 (Aroclor 1254)	ug/L	<0.25	0.50	04/28/16 14:56	
PCB-1260 (Aroclor 1260)	ug/L	<0.25	0.50	04/28/16 14:56	
Decachlorobiphenyl (S)	%	69	36-140	04/28/16 14:56	1q
Tetrachloro-m-xylene (S)	%	70	39-151	04/28/16 14:56	

LABORATORY CONTROL SAMPLE: 1326216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.4	88	61-130	
PCB-1221 (Aroclor 1221)	ug/L		<0.25			
PCB-1232 (Aroclor 1232)	ug/L		<0.25			
PCB-1242 (Aroclor 1242)	ug/L		<0.25			
PCB-1248 (Aroclor 1248)	ug/L		<0.25			
PCB-1254 (Aroclor 1254)	ug/L		<0.25			
PCB-1260 (Aroclor 1260)	ug/L	5	4.2	84	61-130	
Decachlorobiphenyl (S)	%			74	36-140	
Tetrachloro-m-xylene (S)	%			75	39-151	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1326217 1326218

Parameter	Units	40131158003 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						
PCB-1016 (Aroclor 1016)	ug/L	ND	5.4	5.1	5.1	4.4	94	87	54-130	15	50	
PCB-1221 (Aroclor 1221)	ug/L	ND			<0.27	<0.25					50	
PCB-1232 (Aroclor 1232)	ug/L	ND			<0.27	<0.25					50	
PCB-1242 (Aroclor 1242)	ug/L	ND			<0.27	<0.25					50	
PCB-1248 (Aroclor 1248)	ug/L	ND			<0.27	<0.25					50	
PCB-1254 (Aroclor 1254)	ug/L	ND			<0.27	<0.25					50	
PCB-1260 (Aroclor 1260)	ug/L	ND	5.4	5.1	5.0	3.8	94	75	54-130	29	50	
Decachlorobiphenyl (S)	%						94	65	36-140			1q
Tetrachloro-m-xylene (S)	%						86	81	39-151			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

QC Batch: OEXT/30305 Analysis Method: EPA 8270 by SIM
 QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
 Associated Lab Samples: 40131320001, 40131320002, 40131320003, 40131320004, 40131320005, 40131320006, 40131320007, 40131320008, 40131320009, 40131320010

METHOD BLANK: 1329211 Matrix: Solid
 Associated Lab Samples: 40131320001, 40131320002, 40131320003, 40131320004, 40131320005, 40131320006, 40131320007, 40131320008, 40131320009, 40131320010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	<0.0083	0.017	05/03/16 15:51	
2-Methylnaphthalene	mg/kg	<0.0083	0.017	05/03/16 15:51	
Acenaphthene	mg/kg	<0.0083	0.017	05/03/16 15:51	
Acenaphthylene	mg/kg	<0.0075	0.017	05/03/16 15:51	
Anthracene	mg/kg	<0.0086	0.017	05/03/16 15:51	
Benzo(a)anthracene	mg/kg	<0.0058	0.017	05/03/16 15:51	
Benzo(a)pyrene	mg/kg	<0.0060	0.017	05/03/16 15:51	
Benzo(b)fluoranthene	mg/kg	<0.0083	0.017	05/03/16 15:51	
Benzo(g,h,i)perylene	mg/kg	<0.0063	0.017	05/03/16 15:51	
Benzo(k)fluoranthene	mg/kg	<0.0092	0.017	05/03/16 15:51	
Chrysene	mg/kg	<0.0077	0.017	05/03/16 15:51	
Dibenz(a,h)anthracene	mg/kg	<0.0061	0.017	05/03/16 15:51	
Fluoranthene	mg/kg	<0.0083	0.017	05/03/16 15:51	
Fluorene	mg/kg	<0.0083	0.017	05/03/16 15:51	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0063	0.017	05/03/16 15:51	
Naphthalene	mg/kg	<0.0083	0.017	05/03/16 15:51	
Phenanthrene	mg/kg	<0.0083	0.017	05/03/16 15:51	
Pyrene	mg/kg	<0.0083	0.017	05/03/16 15:51	
2-Fluorobiphenyl (S)	%	66	26-130	05/03/16 15:51	
Terphenyl-d14 (S)	%	76	10-130	05/03/16 15:51	

LABORATORY CONTROL SAMPLE: 1329212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.34	102	48-130	
2-Methylnaphthalene	mg/kg	.33	0.33	100	49-130	
Acenaphthene	mg/kg	.33	0.24	72	54-130	
Acenaphthylene	mg/kg	.33	0.24	72	56-130	
Anthracene	mg/kg	.33	0.30	90	70-130	
Benzo(a)anthracene	mg/kg	.33	0.25	76	58-130	
Benzo(a)pyrene	mg/kg	.33	0.29	88	58-130	
Benzo(b)fluoranthene	mg/kg	.33	0.25	74	50-130	
Benzo(g,h,i)perylene	mg/kg	.33	0.31	93	39-130	
Benzo(k)fluoranthene	mg/kg	.33	0.28	84	57-130	
Chrysene	mg/kg	.33	0.29	86	64-130	
Dibenz(a,h)anthracene	mg/kg	.33	0.30	89	44-130	
Fluoranthene	mg/kg	.33	0.29	87	59-130	
Fluorene	mg/kg	.33	0.24	72	56-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

LABORATORY CONTROL SAMPLE: 1329212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.29	88	45-130	
Naphthalene	mg/kg	.33	0.31	93	46-130	
Phenanthrene	mg/kg	.33	0.28	83	56-130	
Pyrene	mg/kg	.33	0.25	74	59-130	
2-Fluorobiphenyl (S)	%			73	26-130	
Terphenyl-d14 (S)	%			82	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1329213 1329214

Parameter	Units	40131320002		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
1-Methylnaphthalene	mg/kg	<0.0098	.39	.39	0.37	0.36	95	92	41-130	3	24	
2-Methylnaphthalene	mg/kg	<0.0098	.39	.39	0.37	0.36	94	91	42-130	4	25	
Acenaphthene	mg/kg	<0.0098	.39	.39	0.28	0.27	71	70	49-130	1	27	
Acenaphthylene	mg/kg	<0.0088	.39	.39	0.28	0.27	70	70	52-130	1	26	
Anthracene	mg/kg	<0.010	.39	.39	0.35	0.32	89	81	61-130	9	29	
Benzo(a)anthracene	mg/kg	<0.0068	.39	.39	0.29	0.28	73	71	45-130	4	28	
Benzo(a)pyrene	mg/kg	<0.0070	.39	.39	0.33	0.32	83	82	39-130	1	34	
Benzo(b)fluoranthene	mg/kg	<0.0098	.39	.39	0.29	0.30	73	77	30-130	5	43	
Benzo(g,h,i)perylene	mg/kg	<0.0075	.39	.39	0.34	0.34	87	86	24-130	2	34	
Benzo(k)fluoranthene	mg/kg	<0.011	.39	.39	0.32	0.30	83	77	41-130	6	32	
Chrysene	mg/kg	<0.0091	.39	.39	0.33	0.31	83	78	46-130	6	37	
Dibenz(a,h)anthracene	mg/kg	<0.0072	.39	.39	0.33	0.32	84	83	33-130	2	34	
Fluoranthene	mg/kg	<0.0098	.39	.39	0.34	0.31	86	78	41-130	10	25	
Fluorene	mg/kg	<0.0098	.39	.39	0.28	0.27	71	69	49-130	4	30	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0075	.39	.39	0.33	0.32	83	82	30-130	1	28	
Naphthalene	mg/kg	<0.0098	.39	.39	0.33	0.34	84	86	39-130	3	26	
Phenanthrene	mg/kg	<0.0098	.39	.39	0.32	0.29	82	75	47-130	9	26	
Pyrene	mg/kg	<0.0098	.39	.39	0.28	0.27	72	69	37-130	4	30	
2-Fluorobiphenyl (S)	%						62	64	26-130			
Terphenyl-d14 (S)	%						73	70	10-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER
Pace Project No.: 40131320

QC Batch: OEXT/30328 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40131320011

METHOD BLANK: 1331006 Matrix: Solid
Associated Lab Samples: 40131320011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	<0.0083	0.017	05/06/16 10:40	
2-Methylnaphthalene	mg/kg	<0.0083	0.017	05/06/16 10:40	
Acenaphthene	mg/kg	<0.0083	0.017	05/06/16 10:40	
Acenaphthylene	mg/kg	<0.0075	0.017	05/06/16 10:40	
Anthracene	mg/kg	<0.0086	0.017	05/06/16 10:40	
Benzo(a)anthracene	mg/kg	<0.0058	0.017	05/06/16 10:40	
Benzo(a)pyrene	mg/kg	<0.0060	0.017	05/06/16 10:40	
Benzo(b)fluoranthene	mg/kg	<0.0083	0.017	05/06/16 10:40	
Benzo(g,h,i)perylene	mg/kg	<0.0063	0.017	05/06/16 10:40	
Benzo(k)fluoranthene	mg/kg	<0.0092	0.017	05/06/16 10:40	
Chrysene	mg/kg	<0.0077	0.017	05/06/16 10:40	
Dibenz(a,h)anthracene	mg/kg	<0.0061	0.017	05/06/16 10:40	
Fluoranthene	mg/kg	<0.0083	0.017	05/06/16 10:40	
Fluorene	mg/kg	<0.0083	0.017	05/06/16 10:40	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0063	0.017	05/06/16 10:40	
Naphthalene	mg/kg	<0.0083	0.017	05/06/16 10:40	
Phenanthrene	mg/kg	<0.0083	0.017	05/06/16 10:40	
Pyrene	mg/kg	<0.0083	0.017	05/06/16 10:40	
2-Fluorobiphenyl (S)	%	72	26-130	05/06/16 10:40	
Terphenyl-d14 (S)	%	78	10-130	05/06/16 10:40	

LABORATORY CONTROL SAMPLE: 1331007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.31	92	48-130	
2-Methylnaphthalene	mg/kg	.33	0.30	91	49-130	
Acenaphthene	mg/kg	.33	0.28	84	54-130	
Acenaphthylene	mg/kg	.33	0.28	83	56-130	
Anthracene	mg/kg	.33	0.35	105	70-130	
Benzo(a)anthracene	mg/kg	.33	0.28	83	58-130	
Benzo(a)pyrene	mg/kg	.33	0.34	102	58-130	
Benzo(b)fluoranthene	mg/kg	.33	0.30	89	50-130	
Benzo(g,h,i)perylene	mg/kg	.33	0.35	106	39-130	
Benzo(k)fluoranthene	mg/kg	.33	0.34	101	57-130	
Chrysene	mg/kg	.33	0.33	99	64-130	
Dibenz(a,h)anthracene	mg/kg	.33	0.34	102	44-130	
Fluoranthene	mg/kg	.33	0.33	100	59-130	
Fluorene	mg/kg	.33	0.28	84	56-130	
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.34	101	45-130	
Naphthalene	mg/kg	.33	0.30	91	46-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

LABORATORY CONTROL SAMPLE: 1331007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	mg/kg	.33	0.31	94	56-130	
Pyrene	mg/kg	.33	0.28	84	59-130	
2-Fluorobiphenyl (S)	%			80	26-130	
Terphenyl-d14 (S)	%			91	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1331008 1331009

Parameter	Units	40131644007		1331008		1331009		% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	mg/kg	<18.9 ug/kg	.37	.37	0.31	0.32	82	83	41-130	1	24	
2-Methylnaphthalene	mg/kg	<18.9 ug/kg	.37	.37	0.31	0.31	80	81	42-130	1	25	
Acenaphthene	mg/kg	<18.9 ug/kg	.37	.37	0.27	0.27	70	73	49-130	3	27	
Acenaphthylene	mg/kg	<18.9 ug/kg	.37	.37	0.27	0.28	72	75	52-130	4	26	
Anthracene	mg/kg	<18.9 ug/kg	.37	.37	0.33	0.35	88	92	61-130	5	29	
Benzo(a)anthracene	mg/kg	<18.9 ug/kg	.37	.37	0.27	0.28	70	73	45-130	4	28	
Benzo(a)pyrene	mg/kg	<18.9 ug/kg	.37	.37	0.31	0.31	80	82	39-130	3	34	
Benzo(b)fluoranthene	mg/kg	<18.9 ug/kg	.37	.37	0.26	0.27	69	72	30-130	4	43	
Benzo(g,h,i)perylene	mg/kg	<18.9 ug/kg	.37	.37	0.32	0.33	82	85	24-130	4	34	
Benzo(k)fluoranthene	mg/kg	<18.9 ug/kg	.37	.37	0.32	0.32	85	85	41-130	0	32	
Chrysene	mg/kg	<18.9 ug/kg	.37	.37	0.32	0.32	82	84	46-130	2	37	
Dibenz(a,h)anthracene	mg/kg	<18.9 ug/kg	.37	.37	0.30	0.31	80	82	33-130	2	34	
Fluoranthene	mg/kg	<18.9 ug/kg	.37	.37	0.32	0.33	85	88	41-130	3	25	
Fluorene	mg/kg	<18.9 ug/kg	.37	.37	0.27	0.28	72	74	49-130	3	30	
Indeno(1,2,3-cd)pyrene	mg/kg	<18.9 ug/kg	.37	.37	0.30	0.31	79	81	30-130	2	28	
Naphthalene	mg/kg	<18.9 ug/kg	.37	.37	0.30	0.30	79	80	39-130	0	26	
Phenanthrene	mg/kg	<18.9 ug/kg	.37	.37	0.31	0.32	80	82	47-130	2	26	
Pyrene	mg/kg	<18.9 ug/kg	.37	.37	0.27	0.28	71	73	37-130	3	30	
2-Fluorobiphenyl (S)	%						67	62	26-130			
Terphenyl-d14 (S)	%						75	71	10-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER
Pace Project No.: 40131320

QC Batch: OEXT/30275 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40131320012

METHOD BLANK: 1327576 Matrix: Water
Associated Lab Samples: 40131320012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0031	0.050	04/29/16 14:37	
2-Methylnaphthalene	ug/L	<0.0028	0.050	04/29/16 14:37	
Acenaphthene	ug/L	<0.0050	0.050	04/29/16 14:37	
Acenaphthylene	ug/L	<0.0049	0.050	04/29/16 14:37	
Anthracene	ug/L	<0.0040	0.050	04/29/16 14:37	
Benzo(a)anthracene	ug/L	<0.0051	0.050	04/29/16 14:37	
Benzo(a)pyrene	ug/L	<0.0044	0.050	04/29/16 14:37	
Benzo(b)fluoranthene	ug/L	<0.0053	0.050	04/29/16 14:37	
Benzo(g,h,i)perylene	ug/L	<0.0035	0.050	04/29/16 14:37	
Benzo(k)fluoranthene	ug/L	<0.0056	0.050	04/29/16 14:37	
Chrysene	ug/L	<0.0042	0.050	04/29/16 14:37	
Dibenz(a,h)anthracene	ug/L	<0.0056	0.050	04/29/16 14:37	
Fluoranthene	ug/L	0.011J	0.050	04/29/16 14:37	
Fluorene	ug/L	<0.0040	0.050	04/29/16 14:37	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0036	0.050	04/29/16 14:37	
Naphthalene	ug/L	<0.0045	0.050	04/29/16 14:37	
Phenanthrene	ug/L	<0.0077	0.050	04/29/16 14:37	
Pyrene	ug/L	0.018J	0.050	04/29/16 14:37	
2-Fluorobiphenyl (S)	%	55	25-130	04/29/16 14:37	
Terphenyl-d14 (S)	%	95	13-158	04/29/16 14:37	

LABORATORY CONTROL SAMPLE: 1327577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.1	54	35-130	
2-Methylnaphthalene	ug/L	2	1.1	54	36-130	
Acenaphthene	ug/L	2	1.1	55	41-130	
Acenaphthylene	ug/L	2	1.0	52	41-130	
Anthracene	ug/L	2	1.4	69	38-130	
Benzo(a)anthracene	ug/L	2	1.5	74	49-130	
Benzo(a)pyrene	ug/L	2	1.9	96	69-143	
Benzo(b)fluoranthene	ug/L	2	2.1	103	63-146	
Benzo(g,h,i)perylene	ug/L	2	1.6	78	10-145	
Benzo(k)fluoranthene	ug/L	2	2.0	101	64-152	
Chrysene	ug/L	2	1.9	95	64-156	
Dibenz(a,h)anthracene	ug/L	2	1.4	70	10-143	
Fluoranthene	ug/L	2	1.5	75	54-134	
Fluorene	ug/L	2	0.96	48	44-130	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.9	94	39-140	
Naphthalene	ug/L	2	1.1	56	35-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

LABORATORY CONTROL SAMPLE: 1327577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	1.6	79	51-130	
Pyrene	ug/L	2	1.6	82	61-140	
2-Fluorobiphenyl (S)	%			55	25-130	
Terphenyl-d14 (S)	%			92	13-158	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1327578 1327579

Parameter	Units	40131259005		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	ug/L	0.14	1.9	2.2	1.2	1.3	53	55	16-130	15	30		
2-Methylnaphthalene	ug/L	<0.0028	1.9	2.2	1.0	1.1	52	53	33-130	13	30		
Acenaphthene	ug/L	<0.0050	1.9	2.2	0.97	1.1	50	52	29-130	17	27		
Acenaphthylene	ug/L	<0.0049	1.9	2.2	0.91	1.1	47	49	33-130	16	27		
Anthracene	ug/L	<0.0040	1.9	2.2	1.1	1.3	58	60	26-130	16	31		
Benzo(a)anthracene	ug/L	<0.0051	1.9	2.2	1.3	1.4	67	64	27-130	9	36		
Benzo(a)pyrene	ug/L	<0.0044	1.9	2.2	1.6	1.7	84	78	16-151	5	44		
Benzo(b)fluoranthene	ug/L	<0.0053	1.9	2.2	1.7	1.8	88	85	30-142	9	41		
Benzo(g,h,i)perylene	ug/L	<0.0035	1.9	2.2	1.1	1.2	60	56	10-130	6	50		
Benzo(k)fluoranthene	ug/L	<0.0056	1.9	2.2	1.6	1.7	85	78	24-152	4	41		
Chrysene	ug/L	<0.0042	1.9	2.2	1.7	1.8	88	84	40-152	8	33		
Dibenz(a,h)anthracene	ug/L	<0.0056	1.9	2.2	1.2	1.3	62	60	10-130	9	50		
Fluoranthene	ug/L	0.010J	1.9	2.2	1.3	1.3	69	60	39-140	1	30		
Fluorene	ug/L	<0.0040	1.9	2.2	0.98	1.2	51	54	35-130	19	26		
Indeno(1,2,3-cd)pyrene	ug/L	<0.0036	1.9	2.2	1.5	1.5	76	70	10-130	4	50		
Naphthalene	ug/L	0.056	1.9	2.2	1.1	1.2	55	54	29-130	10	31		
Phenanthrene	ug/L	0.0093J	1.9	2.2	1.3	1.6	68	71	48-130	16	25		
Pyrene	ug/L	0.018J	1.9	2.2	1.6	1.5	80	68	42-143	4	25		
2-Fluorobiphenyl (S)	%						48	51	25-130				
Terphenyl-d14 (S)	%						76	66	13-158				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

QC Batch:	PMST/12694	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40131320001, 40131320002, 40131320003, 40131320004, 40131320005, 40131320006, 40131320007, 40131320008, 40131320009		

SAMPLE DUPLICATE: 1330888

Parameter	Units	40131317001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.0	7.2	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

QC Batch:	PMST/12695	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40131320010, 40131320011		

SAMPLE DUPLICATE: 1330908

Parameter	Units	40131320010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.2	13.5	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

BATCH QUALIFIERS

Batch: MSSV/8996

[IP] Benzo(b)fluoranthene and benzo(k)fluoranthene were in the check standard but did not meet the resolution criteria in SW846 Method 8270C. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.

Batch: MSSV/9007

[IP] Benzo(b)fluoranthene and benzo(k)fluoranthene were in the check standard but did not meet the resolution criteria in SW846 Method 8270C. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.

ANALYTE QUALIFIERS

1q Surrogate recovery was outside the State of South Carolina laboratory control limits of 70-130. Recovery did pass in-house, control charted limits. No sample volume available for re-extract.

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40131320001	GP-1 / TW-1 (2-4)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320002	GP-1 / TW-1 (8-10)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320003	GP-2 (2-4)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320004	GP-2 (6-8)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320005	GP-3 (2-4)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320006	GP-3 (6-8)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320007	GP-4 (2-4)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320008	GP-4 (8-10)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320009	GP-5 (2-4)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320010	GP-5 (10-12)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320011	SS-1 (0.5-1.5)	EPA 3541	OEXT/30247	EPA 8082	GCSV/14314
40131320012	TW-1 / GP-1	EPA 3510	OEXT/30256	EPA 8082	GCSV/14325
40131320001	GP-1 / TW-1 (2-4)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320002	GP-1 / TW-1 (8-10)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320003	GP-2 (2-4)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320004	GP-2 (6-8)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320005	GP-3 (2-4)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320006	GP-3 (6-8)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320007	GP-4 (2-4)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320008	GP-4 (8-10)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320009	GP-5 (2-4)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320010	GP-5 (10-12)	EPA 3546	OEXT/30305	EPA 8270 by SIM	MSSV/8996
40131320011	SS-1 (0.5-1.5)	EPA 3546	OEXT/30328	EPA 8270 by SIM	MSSV/9007
40131320012	TW-1 / GP-1	EPA 3510	OEXT/30275	EPA 8270 by HVI	MSSV/8983
40131320001	GP-1 / TW-1 (2-4)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320002	GP-1 / TW-1 (8-10)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320003	GP-2 (2-4)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320004	GP-2 (6-8)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320005	GP-3 (2-4)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320006	GP-3 (6-8)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320007	GP-4 (2-4)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320008	GP-4 (8-10)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320009	GP-5 (2-4)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320010	GP-5 (10-12)	EPA 5035/5030B	MSV/33162	EPA 8260	MSV/33163
40131320011	SS-1 (0.5-1.5)	EPA 5035/5030B	MSV/33172	EPA 8260	MSV/33183
40131320012	TW-1 / GP-1	EPA 8260	MSV/33267		
40131320001	GP-1 / TW-1 (2-4)	ASTM D2974-87	PMST/12694		
40131320002	GP-1 / TW-1 (8-10)	ASTM D2974-87	PMST/12694		
40131320003	GP-2 (2-4)	ASTM D2974-87	PMST/12694		
40131320004	GP-2 (6-8)	ASTM D2974-87	PMST/12694		
40131320005	GP-3 (2-4)	ASTM D2974-87	PMST/12694		
40131320006	GP-3 (6-8)	ASTM D2974-87	PMST/12694		
40131320007	GP-4 (2-4)	ASTM D2974-87	PMST/12694		
40131320008	GP-4 (8-10)	ASTM D2974-87	PMST/12694		
40131320009	GP-5 (2-4)	ASTM D2974-87	PMST/12694		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2404006 BROWN DEER

Pace Project No.: 40131320

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40131320010	GP-5 (10-12)	ASTM D2974-87	PMST/12695		
40131320011	SS-1 (0.5-1.5)	ASTM D2974-87	PMST/12695		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

(Please Print Clearly)

Company Name: **KEY Engineering**
 Branch/Location: **Missoula**
 Project Contact: **Jason Kruelko**
 Phone: **414 224 8300**
 Project Number: **2404004**
 Project Name: **Brown Bear**
 Project State: **WI**
 Sampled By (Print): **Chelsey Anco**
 Sampled By (Sign): *[Signature]*
 PO #:



CHAIN OF CUSTODY

Preservation Codes:
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

REGULATORY PROGRAM:
 FILTERED? (YES/NO)
 PRESERVATION (CODE)

Y/N	F	A	A	B

Analyses Requested

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested				
					VOC	PAH	PCB	VOC	
001	GP-1710-12-4	4/22	9:30	S	X	X	X	X	
002	GP-1710-18-10		9:45	S	X	X	X	X	
003	GP-212-4		9:50	S	X	X	X	X	
004	GP-210-8		10:00	S	X	X	X	X	
005	GP-312-4		10:35	S	X	X	X	X	
006	GP-310-8		11:00	S	X	X	X	X	
007	GP-412-4		11:25	S	X	X	X	X	
008	GP-418-10		11:45	S	X	X	X	X	
009	GP-512-4		12:10	S	X	X	X	X	
010	GP-510-12		12:30	S	X	X	X	X	
011	SS-110-5-15		12:50	S	X	X	X	X	
012	TW-11GP-1		1:30	SW	X	X	X	X	

Quote #: **40131320**
 Mail To Contact: **Jason Kruelko**
 Mail To Company: **KEY Engineering**
 Mail To Address: **735 N. Weber St. Missoula, MT 59801**
 Invoice To Contact: **Chelsey Anco**
 Invoice To Company: **same**
 Invoice To Address: **same**
 Invoice To Phone: **same**
 CLIENT COMMENTS: **1-40ml vials 1402, 12-402, 12-402, 12-402**
 LAB COMMENTS (Lab Use Only): **2-1 bag 3-40ml vials 100ml bag**

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: **4/22/10 1500**
 Relinquished By: **[Signature]** Date/Time: **4/22/10 1500**
 Relinquished By: **[Signature]** Date/Time: **4-25-10 1454**
 Relinquished By: **[Signature]** Date/Time: **4-25-10 1200**
 Relinquished By: **[Signature]** Date/Time: **4-25-10 1200**
 Relinquished By: **[Signature]** Date/Time: **4-25-10 1454**
 Relinquished By: **[Signature]** Date/Time: **4-25-10 1454**
 Receipt Temp = **201 °C**
 Cooler Custody Seal Present / Not Present **Intact / Not Intact**



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40131320



40131320

Client Name: Key Eng

Courier: Fed Ex UPS Client Pace Other:

Tracking #:

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: /Corr: RO Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 4/25/16
Initials: CWS

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like 'Chain of Custody Present', 'Samples Arrived within Hold Time', 'Short Hold Time Analysis', 'Rush Turn Around Time Requested', 'Containers Intact', 'Sample Labels match COC', 'All containers needing preservation have been checked', 'Headspace in VOA Vials', 'Trip Blank Present'.

Client Notification/ Resolution:

Person Contacted: Date/Time:

If checked, see attached form for additional comments

Comments/ Resolution:

005 vial tare weight covered 4/25/16

Project Manager Review:

[Signature]

Date: 4-25-16