

Advantage Environmental Consultants  
8610 Washington Blvd. Suite 217  
Jessup, MD 20794  
(301) 776-0500 p  
(301) 776-1123 f

**Advantage  
Environmental  
Consultants, LLC**

## **Letter of Transmittal**

**To:** Ms. Jeannette DeBartolomeo  
**From:** Jeff Stein  
**CC:** Health Department/Resident  
**Date:** December 27, 2013  
**Re:** Royal Farms 72 – 2907 Churchville Road Monthly Sampling Results

---

### **Comments:**

Enclosed is a copy of the potable well treatment system analytical results from testing performed on December 19, 2013. All analytes are below detection limits on the effluent side of the treatment system. Please contact us if you have any questions.

## Analytical Results

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600  
www.mdspectral.com  
VELAP ID 460040

**Project: 2907 CHURCHVILLE RD**

Project Number: 05-056RF072

Advantage Environmental Consultants, LLC

Project Manager: Andrew Fleming

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 12/24/13 14:49

Jessup MD, 20794

CLIENT SAMPLE ID:	PW-1	PW-2A	PW-2B	PW-3
LAB SAMPLE ID:	3121909-01	3121909-02	3121909-03	3121909-04
SAMPLE DATE:	12/19/13	12/19/13	12/19/13	12/19/13
RECEIVED DATE:	12/19/13	12/19/13	12/19/13	12/19/13
MATRIX	Units Water	Water	Water	Water

### VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (Water)

tert-Amyl alcohol (TAA)	ug/L	<250	<10.0	<10.0	<10.0
tert-Amyl methyl ether (TAME)	ug/L	<b>13.1</b>	<0.50	<0.50	<0.50
Benzene	ug/L	<12.5	<0.50	<0.50	<0.50
Bromobenzene	ug/L	<12.5	<0.50	<0.50	<0.50
Bromochloromethane	ug/L	<12.5	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	<12.5	<0.50	<0.50	<0.50
Bromoform	ug/L	<12.5	<0.50	<0.50	<0.50
Bromomethane	ug/L	<12.5	<0.50	<0.50	<0.50
tert-Butanol (TBA)	ug/L	<250	<10.0	<10.0	<10.0
n-Butylbenzene	ug/L	<12.5	<0.50	<0.50	<0.50
sec-Butylbenzene	ug/L	<12.5	<0.50	<0.50	<0.50
tert-Butylbenzene	ug/L	<12.5	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	<12.5	<0.50	<0.50	<0.50
Chlorobenzene	ug/L	<12.5	<0.50	<0.50	<0.50
Chloroethane	ug/L	<12.5	<0.50	<0.50	<0.50
Chloroform	ug/L	<12.5	<0.50	<0.50	<0.50
Chloromethane	ug/L	<12.5	<0.50	<0.50	<0.50
2- & 4-Chlorotoluene	ug/L	<12.5	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	<12.5	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane	ug/L	<12.5	<0.50	<0.50	<0.50
1,2-Dibromoethane (EDB)	ug/L	<12.5	<0.50	<0.50	<0.50
Dibromomethane	ug/L	<12.5	<0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	<12.5	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	<12.5	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	<12.5	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	<12.5	<0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	<12.5	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	<12.5	<0.50	<0.50	<0.50
1,1-Dichloroethene	ug/L	<12.5	<0.50	<0.50	<0.50
cis-1,2-Dichloroethene	ug/L	<12.5	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene	ug/L	<12.5	<0.50	<0.50	<0.50
1,2-Dichloropropane	ug/L	<12.5	<0.50	<0.50	<0.50
1,3-Dichloropropane	ug/L	<12.5	<0.50	<0.50	<0.50
2,2-Dichloropropane	ug/L	<12.5	<0.50	<0.50	<0.50
1,1-Dichloropropene	ug/L	<12.5	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	<12.5	<0.50	<0.50	<0.50

## Analytical Results

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600  
www.mdspectral.com  
VELAP ID 460040

**Project: 2907 CHURCHVILLE RD**

Project Number: 05-056RF072

Advantage Environmental Consultants, LLC

Project Manager: Andrew Fleming

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 12/24/13 14:49

Jessup MD, 20794

CLIENT SAMPLE ID:	PW-1	PW-2A	PW-2B	PW-3
LAB SAMPLE ID:	3121909-01	3121909-02	3121909-03	3121909-04
SAMPLE DATE:	12/19/13	12/19/13	12/19/13	12/19/13
RECEIVED DATE:	12/19/13	12/19/13	12/19/13	12/19/13
MATRIX	Units	Water	Water	Water

### VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)

trans-1,3-Dichloropropene	ug/L	<12.5	<0.50	<0.50	<0.50
Diisopropyl ether (DIPE)	ug/L	<12.5	<0.50	<0.50	<0.50
Ethyl tert-butyl ether (ETBE)	ug/L	<12.5	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	<12.5	<0.50	<0.50	<0.50
Hexachlorobutadiene	ug/L	<12.5	<0.50	<0.50	<0.50
Isopropylbenzene (Cumene)	ug/L	<12.5	<0.50	<0.50	<0.50
4-Isopropyltoluene	ug/L	<12.5	<0.50	<0.50	<0.50
Methyl tert-butyl ether (MTBE)	ug/L	<b>392</b>	<0.50	<0.50	<0.50
Methylene chloride	ug/L	<12.5	<0.50	<0.50	<0.50
Naphthalene	ug/L	<12.5	<0.50	<0.50	<0.50
n-Propylbenzene	ug/L	<12.5	<0.50	<0.50	<0.50
Styrene	ug/L	<12.5	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	<12.5	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	<12.5	<0.50	<0.50	<0.50
Tetrachloroethene	ug/L	<12.5	<0.50	<0.50	<0.50
Toluene	ug/L	<12.5	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene	ug/L	<12.5	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene	ug/L	<12.5	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	<12.5	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	<12.5	<0.50	<0.50	<0.50
Trichloroethene	ug/L	<12.5	<0.50	<0.50	<0.50
Trichlorofluoromethane (Freon 11)	ug/L	<12.5	<0.50	<0.50	<0.50
1,2,3-Trichloropropane	ug/L	<12.5	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	ug/L	<12.5	<0.50	<0.50	<0.50
1,3,5-Trimethylbenzene	ug/L	<12.5	<0.50	<0.50	<0.50
Vinyl chloride	ug/L	<12.5	<0.50	<0.50	<0.50
o-Xylene	ug/L	<12.5	<0.50	<0.50	<0.50
m- & p-Xylenes	ug/L	<12.5	<0.50	<0.50	<0.50
4-Bromofluorobenzene	[surr]	<u>93.8%</u>	<u>90.4%</u>	<u>93.7%</u>	<u>102%</u>
1,2-Dichlorobenzene-d4	[surr]	<u>89.2%</u>	<u>80.6%</u>	<u>83.0%</u>	<u>87.9%</u>

# CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.  
 1500 Caton Center Drive, Suite G  
 Baltimore, MD 21227  
 410-247-7600 • Fax 410-247-7602  
 labman@mdspectral.com

Matrix Codes: NW (nonpotable water)  
 PW (potable water)

Preservative: 1+1  
 HCL, H<sub>2</sub>SO<sub>4</sub>,  
 Methanol,  
 Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, NaHCO<sub>3</sub>  
 Field pH, Residual  
 Chlorine, QC  
 Request, Trip  
 Blank, Field Blank

MSS Lab ID

3121909-01  
 -02  
 -03  
 -04

Project Manager:		Analysis Requested	
Project ID:	P.O. Number:	No. of Containers	
2907 Chesapeake	05-05672	X	OKS & ORY 524.2
Sampler(s): A. Fleming		2	

Field Sample ID	Date	Time	Water	Soil	Other
PW-1	12/14/13	1120	X		
PW-2a	↓	1117	↓		
PW-2b	↓	1115	↓		
PW-3	↓	1112	↓		

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	12/14/13	<i>[Signature]</i>	
Andrew Fleming	1457	<i>[Signature]</i>	

Lab Use:  
 Temp: 10 °C  
 Received on Ice  
 Received same day  
 Preservation Appropriate

Sample Disposal:  
 Return to Client  
 Disposal by lab  
 Archive for \_\_\_ days

Turn Around Time:  
 Normal (7 day)  
 5 day  
 4 day  
 3 day  
 Rush (2 day)  
 Next Day  
 Other: \_\_\_  
 Specific Due Date: \_\_\_

Delivery Method:  
 Courier  
 Client  
 UPS  
 FedEx  
 USPS  
 Other: \_\_\_\_\_

Special Instructions/QC Requirements & Comments:  
 afleming@all-eku.com  
 sdesse  
 arubino  
 jstein