

Advantage Environmental Consultants
8610 Washington Blvd. Suite 217
Jessup, MD 20794
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**Advantage
Environmental
Consultants, LLC**

Letter of Transmittal

To: Ms. Jeannette DeBartolomeo
From: Jeff Stein
CC: Health Department/Resident
Date: September 8, 2014
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 August 28, 2014. 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: James Wolf

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/03/14 13:47

Jessup MD, 20794

CLIENT SAMPLE ID:	PW2907-EFF	PW2907-MID2	PW2907-MID1	PW2907-INF
LAB SAMPLE ID:	4082623-01	4082623-02	4082623-03	4082623-04
SAMPLE DATE:	08/26/14	08/26/14	08/26/14	08/26/14
RECEIVED DATE:	08/26/14	08/26/14	08/26/14	08/26/14
MATRIX	Units	Water	Water	Water

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

Compound	Units	PW2907-EFF	PW2907-MID2	PW2907-MID1	PW2907-INF
tert-Amyl alcohol (TAA)	ug/L	<10.0	<10.0	<100	<250
tert-Amyl methyl ether (TAME)	ug/L	<0.50	<0.50	<5.00	<12.5
Benzene	ug/L	<0.50	<0.50	<5.00	<12.5
Bromobenzene	ug/L	<0.50	<0.50	<5.00	<12.5
Bromochloromethane	ug/L	<0.50	<0.50	<5.00	<12.5
Bromodichloromethane	ug/L	<0.50	<0.50	<5.00	<12.5
Bromoform	ug/L	<0.50	<0.50	<5.00	<12.5
Bromomethane	ug/L	<0.50	<0.50	<5.00	<12.5
tert-Butanol (TBA)	ug/L	<10.0	<10.0	<100	<250
n-Butylbenzene	ug/L	<0.50	<0.50	<5.00	<12.5
sec-Butylbenzene	ug/L	<0.50	<0.50	<5.00	<12.5
tert-Butylbenzene	ug/L	<0.50	<0.50	<5.00	<12.5
Carbon tetrachloride	ug/L	<0.50	<0.50	<5.00	<12.5
Chlorobenzene	ug/L	<0.50	<0.50	<5.00	<12.5
Chloroethane	ug/L	<0.50	<0.50	<5.00	<12.5
Chloroform	ug/L	<0.50	<0.50	<5.00	<12.5
Chloromethane	ug/L	<0.50	<0.50	<5.00	<12.5
2- & 4-Chlorotoluene	ug/L	<0.50	<0.50	<5.00	<12.5
Dibromochloromethane	ug/L	<0.50	<0.50	<5.00	<12.5
1,2-Dibromo-3-chloropropane	ug/L	<0.50	<0.50	<5.00	<12.5
1,2-Dibromoethane (EDB)	ug/L	<0.50	<0.50	<5.00	<12.5
Dibromomethane	ug/L	<0.50	<0.50	<5.00	<12.5
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<5.00	<12.5
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<5.00	<12.5
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<5.00	<12.5
Dichlorodifluoromethane	ug/L	<0.50	<0.50	<5.00	<12.5
1,1-Dichloroethane	ug/L	<0.50	<0.50	<5.00	<12.5
1,2-Dichloroethane	ug/L	<0.50	<0.50	<5.00	<12.5
1,1-Dichloroethene	ug/L	<0.50	<0.50	<5.00	<12.5
cis-1,2-Dichloroethene	ug/L	<0.50	<0.50	<5.00	<12.5
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50	<5.00	<12.5
1,2-Dichloropropane	ug/L	<0.50	<0.50	<5.00	<12.5
1,3-Dichloropropane	ug/L	<0.50	<0.50	<5.00	<12.5
2,2-Dichloropropane	ug/L	<0.50	<0.50	<5.00	<12.5
1,1-Dichloropropene	ug/L	<0.50	<0.50	<5.00	<12.5
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50	<5.00	<12.5

Analytical Results

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SAMPLE DATE:	08/26/14	08/26/14	08/26/14	08/26/14
RECEIVED DATE:	08/26/14	08/26/14	08/26/14	08/26/14
MATRIX	Units	Water	Water	Water

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

trans-1,3-Dichloropropene	ug/L	<0.50	<0.50	<5.00	<12.5
Diisopropyl ether (DIPE)	ug/L	<0.50	<0.50	<5.00	<12.5
Ethyl tert-butyl ether (ETBE)	ug/L	<0.50	<0.50	<5.00	<12.5
Ethylbenzene	ug/L	<0.50	<0.50	<5.00	<12.5
Hexachlorobutadiene	ug/L	<0.50	<0.50	<5.00	<12.5
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50	<5.00	<12.5
4-Isopropyltoluene	ug/L	<0.50	<0.50	<5.00	<12.5
Methyl tert-butyl ether (MTBE)	ug/L	<0.50	0.67	362	353
Methylene chloride	ug/L	<0.50	<0.50	<5.00	<12.5
Naphthalene	ug/L	<0.50	<0.50	<5.00	<12.5
n-Propylbenzene	ug/L	<0.50	<0.50	<5.00	<12.5
Styrene	ug/L	<0.50	<0.50	<5.00	<12.5
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<5.00	<12.5
1,1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<5.00	<12.5
Tetrachloroethene	ug/L	<0.50	<0.50	<5.00	<12.5
Toluene	ug/L	<0.50	<0.50	<5.00	<12.5
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50	<5.00	<12.5
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50	<5.00	<12.5
1,1,1-Trichloroethane	ug/L	<0.50	<0.50	<5.00	<12.5
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<5.00	<12.5
Trichloroethene	ug/L	<0.50	<0.50	<5.00	<12.5
Trichlorofluoromethane (Freon 11)	ug/L	<0.50	<0.50	<5.00	<12.5
1,2,3-Trichloropropane	ug/L	<0.50	<0.50	<5.00	<12.5
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50	<5.00	<12.5
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50	<5.00	<12.5
Vinyl chloride	ug/L	<0.50	<0.50	<5.00	<12.5
o-Xylene	ug/L	<0.50	<0.50	<5.00	<12.5
m- & p-Xylenes	ug/L	<0.50	<0.50	<5.00	<12.5
4-Bromofluorobenzene	[surr]	<u>93.0%</u>	<u>95.0%</u>	<u>94.0%</u>	<u>97.0%</u>
1,2-Dichlorobenzene-d4	[surr]	<u>108%</u>	<u>113%</u>	<u>111%</u>	<u>117%</u>

CHAIN-OF-CUSTODY RECORD

Company Name: AEC		Project Manager: J Wolf		Analysis Requested (Grid for analysis requests)		Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 labman@mdspectral.com	
Project Name: 2907 Churchville		Project ID: 05-056-RF72				Matrix Codes: NW (non-potable water) PW (potable water)	
Sampler(s): R Swamy		P.O. Number:		Preservative: 1+1 HCL, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃		MSS Lab ID	
Field Sample ID		Date		Time		Water	
2907 Effluent		8/26/14		12:00		X	
2907 Mid-2		↓		12:10		X	
2907 Mid-1		↓		12:15		X	
2907 Influent		↓		12:20		X	
(Empty rows)		(Empty rows)		(Empty rows)		(Empty rows)	
Relinquished by: (Signature) C. [Signature]		Date/Time 17:32		Received by: (Signature) [Signature]		Date/Time	
(Printed)		(Printed)		(Printed)		(Printed)	
Relinquished by: (Signature) Robert Swamy		Date/Time 8/26/14		Received by Lab: (Signature) William Brewington		Date/Time	
(Printed)		(Printed)		(Printed)		(Printed)	
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other:		Special Instructions/QC Requirements & Comments: Email Results: R Swamy J Wolf					
Lab Use: Temp: 11.0 °C <input checked="" type="checkbox"/> Received on ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate		Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Sample Disposal: <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days		Received by: (Signature) _____	
(Printed)		(Printed)		(Printed)		(Printed)	