

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: October 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 September 24, 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: 09/29/14 14:06

Jessup MD, 20794

CLIENT SAMPLE ID:	PW2907-EFF	PW2907-MID2	PW2907-MID1	PW2907-INF
LAB SAMPLE ID:	4092406-01	4092406-02	4092406-03	4092406-04
SAMPLE DATE:	09/24/14	09/24/14	09/24/14	09/24/14
RECEIVED DATE:	09/24/14	09/24/14	09/24/14	09/24/14
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	<10.0	<250
tert-Amyl methyl ether (TAME)	ug/L	<0.50	<0.50	<0.50	14.3
Benzene	ug/L	<0.50	<0.50	<0.50	<12.5
Bromobenzene	ug/L	<0.50	<0.50	<0.50	<12.5
Bromochloromethane	ug/L	<0.50	<0.50	<0.50	<12.5
Bromodichloromethane	ug/L	<0.50	<0.50	<0.50	<12.5
Bromoform	ug/L	<0.50	<0.50	<0.50	<12.5
Bromomethane	ug/L	<0.50	<0.50	<0.50	<12.5
tert-Butanol (TBA)	ug/L	<10.0	<10.0	<10.0	<250
n-Butylbenzene	ug/L	<0.50	<0.50	<0.50	<12.5
sec-Butylbenzene	ug/L	<0.50	<0.50	<0.50	<12.5
tert-Butylbenzene	ug/L	<0.50	<0.50	<0.50	<12.5
Carbon tetrachloride	ug/L	<0.50	<0.50	<0.50	<12.5
Chlorobenzene	ug/L	<0.50	<0.50	<0.50	<12.5
Chloroethane	ug/L	<0.50	<0.50	<0.50	<12.5
Chloroform	ug/L	<0.50	<0.50	<0.50	<12.5
Chloromethane	ug/L	<0.50	<0.50	<0.50	<12.5
2- & 4-Chlorotoluene	ug/L	<0.50	<0.50	<0.50	<12.5
Dibromochloromethane	ug/L	<0.50	<0.50	<0.50	<12.5
1,2-Dibromo-3-chloropropane	ug/L	<0.50	<0.50	<0.50	<12.5
1,2-Dibromoethane (EDB)	ug/L	<0.50	<0.50	<0.50	<12.5
Dibromomethane	ug/L	<0.50	<0.50	<0.50	<12.5
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<12.5
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<12.5
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<12.5
Dichlorodifluoromethane	ug/L	<0.50	<0.50	<0.50	<12.5
1,1-Dichloroethane	ug/L	<0.50	<0.50	<0.50	<12.5
1,2-Dichloroethane	ug/L	<0.50	<0.50	<0.50	<12.5
1,1-Dichloroethene	ug/L	<0.50	<0.50	<0.50	<12.5
cis-1,2-Dichloroethene	ug/L	<0.50	<0.50	<0.50	<12.5
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50	<0.50	<12.5
1,2-Dichloropropane	ug/L	<0.50	<0.50	<0.50	<12.5
1,3-Dichloropropane	ug/L	<0.50	<0.50	<0.50	<12.5
2,2-Dichloropropane	ug/L	<0.50	<0.50	<0.50	<12.5
1,1-Dichloropropene	ug/L	<0.50	<0.50	<0.50	<12.5
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50	<0.50	<12.5

Analytical Results

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SAMPLE DATE:	09/24/14	09/24/14	09/24/14	09/24/14
RECEIVED DATE:	09/24/14	09/24/14	09/24/14	09/24/14
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	<0.50	<12.5
Diisopropyl ether (DIPE)	ug/L	<0.50	<0.50	<0.50	<12.5
Ethyl tert-butyl ether (ETBE)	ug/L	<0.50	<0.50	<0.50	<12.5
Ethylbenzene	ug/L	<0.50	<0.50	<0.50	<12.5
Hexachlorobutadiene	ug/L	<0.50	<0.50	<0.50	<12.5
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50	<0.50	<12.5
4-Isopropyltoluene	ug/L	<0.50	<0.50	<0.50	<12.5
Methyl tert-butyl ether (MTBE)	ug/L	<0.50	<0.50	1.57	437
Methylene chloride	ug/L	<0.50	<0.50	<0.50	<12.5
Naphthalene	ug/L	<0.50	<0.50	<0.50	<12.5
n-Propylbenzene	ug/L	<0.50	<0.50	<0.50	<12.5
Styrene	ug/L	<0.50	<0.50	<0.50	<12.5
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	<12.5
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	<12.5
Tetrachloroethene	ug/L	<0.50	<0.50	<0.50	<12.5
Toluene	ug/L	<0.50	<0.50	<0.50	<12.5
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<12.5
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<12.5
1,1,1-Trichloroethane	ug/L	<0.50	<0.50	<0.50	<12.5
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<0.50	<12.5
Trichloroethene	ug/L	<0.50	<0.50	<0.50	<12.5
Trichlorofluoromethane (Freon 11)	ug/L	<0.50	<0.50	<0.50	<12.5
1,2,3-Trichloropropane	ug/L	<0.50	<0.50	<0.50	<12.5
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50	<0.50	<12.5
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50	<0.50	<12.5
Vinyl chloride	ug/L	<0.50	<0.50	<0.50	<12.5
o-Xylene	ug/L	<0.50	<0.50	<0.50	<12.5
m- & p-Xylenes	ug/L	<0.50	<0.50	<0.50	<12.5
4-Bromofluorobenzene	[surr]	<u>97.0%</u>	<u>92.0%</u>	<u>97.0%</u>	<u>92.0%</u>
1,2-Dichlorobenzene-d4	[surr]	<u>97.0%</u>	<u>97.0%</u>	<u>108%</u>	<u>93.0%</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 (non-potable water) PW (potable water)

Preservative: 1+1
 HCL, H₂SO₄,
 Methanol,
 Na₂S₂O₃, NaHCO₃

Field pH, Residual
 Chlorine, QC
 Request, Trip
 Blank, Field Blank

MSS Lab ID

4092406-01
 -02
 -03
 -04

Analysis Requested

No. of Containers
 VOCs 524.2
 2 X
 2 X
 2 X
 2 X

Project Manager: **J Wolf**
 Project ID: **05-056-RF72**
 P.O. Number:

Field Sample ID	Date	Time	Water	Soil	Other
PW 2907 - Effluent	9/24/14	14:30	X		
PW 2907 - Mid-2	9/24/14	14:35	X		
PW 2907 - Mid-1	9/24/14	14:40	X		
PW 2907 - Influent	9/24/14	14:45	X		

Relinquished by: (Signature)
Robert Swamy
 Received by: (Signature)
J Wolf
 Date/Time: 9/24/14

Relinquished by: (Signature)
 Received by Lab: (Signature)
 Date/Time: 9/24/14

Special Instructions/QC Requirements & Comments:

Email Results: **J Wolf**
R Swamy
J Stein

Date/Time: _____
 Received by: (Signature)
 (Printed)
 Lab Use:
 Temp: **12.0°C**
 Received on Ice
 Received same day
 Preservation Appropriate
 Sample Disposal:
 Return to Client
 Disposal by lab
 Archive for _____ days

Relinquished by: (Signature)
 (Printed)
 Turn Around Time:
 Normal (7 day)
 5 day
 4 day
 3 day
 Rush (2 day)
 Next Day
 Other: _____ Date: _____
 Specific Due Date: _____

Delivery Method:
 Courier
 Client
 UPS
 FedEx
 USPS
 Other: _____