

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: April 2, 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 March 18, 2014. The samples are labeled INSURANCE IN (previously PW2907-IN), INSURANCE MID-1 and MID-2 (previously PW2907-MID1 & MID2), INSURANCE EFF (previously PW2907-EFF). 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: RF-72

Project Number: 05-056RF072

Advantage Environmental Consultants, LLC

Project Manager: James Wolf

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 04/02/14 09:39

Jessup MD, 20794

CLIENT SAMPLE ID:	INSURANCE EFF	INSURANCE MID-2	INSURANCE MID-1	INSURANCE IN
LAB SAMPLE ID:	4031901-05	4031901-06	4031901-07	4031901-08
SAMPLE DATE:	03/18/14	03/18/14	03/18/14	03/18/14
RECEIVED DATE:	03/19/14	03/19/14	03/19/14	03/19/14
MATRIX	Units	Water	Water	Water

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

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	<12.5
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:	03/18/14	03/18/14	03/18/14	03/18/14
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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	38.6	414
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>104%</u>	<u>109%</u>	<u>102%</u>	<u>103%</u>
1,2-Dichlorobenzene-d4	[surr]	<u>105%</u>	<u>100%</u>	<u>106%</u>	<u>104%</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, H₂SO₄,
 Methanol,
 Na₂S₂O₃, NaHCO₃

MSS Lab ID

4031901-01 A B
 4031901-02 A B
 4031901-03 A B
 4031901-04 A B

4031901-05 A B
 4031901-06 A B
 4031901-07 A B
 4031901-08 A B

Analysis Requested

WGS Heavy Metals

No. of Containers

Water
 Soil
 Other

Date

Time

Field Sample ID

RF-72 Eff
 RF-72 Mid-2
 RF-72 Mid-1
 RF-72 In

3/14/14 12:20
 12:22
 12:25
 12:27

2 X
 2 X
 2 X
 2 X

Insurance Eff
 Insurance Mid-2
 Insurance Mid-1
 Insurance In

3/18/14 13:00
 13:02
 13:04
 13:06

2 X
 2 X
 2 X
 2 X

Relinquished by: (Signature)
 (Printed)

Date/Time

Received by: (Signature)
 (Printed)

Received by: (Signature)
 (Printed)

Date/Time

Relinquished by: (Signature)
 (Printed)

Date/Time

Received by: (Signature)
 (Printed)

Date/Time

Received by: (Signature)
 (Printed)

Received by: (Signature)
 (Printed)

Date/Time

Relinquished by: (Signature)
 (Printed)

Date/Time

Lab Use:

Temp: 6 °C
 Received on Ice
 Received same day
 Preservation Appropriate

Turn Around Time:

Normal (7 day)
 5 day
 4 day
 3 day
 Rush (2 day)
 Next Day
 Other: _____
 Specific Due Date: _____

Sample Disposal:

Return to Client
 Disposal by lab
 Archive for _____ days

Special Instructions/QC Requirements & Comments:

Email Results: J Wolf
 R Swanger

Delivery Method:

Courier
 Client
 UPS
 FedEx
 USPS
 Other: