

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

Letter of Transmittal

To: Ms. Jeannette DeBartolomeo
From: Jeff Stein
CC: Health Department/Resident
Date: November 20, 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 November 14, 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: James Wolf

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 11/20/13 14:00

Jessup MD, 20794

CLIENT SAMPLE ID:	PW2907-EFF	PW2907-MID1	PW2907-IN	PW2907-MID2
LAB SAMPLE ID:	3111404-01	3111404-02	3111404-03	3111404-04
SAMPLE DATE:	11/14/13	11/14/13	11/14/13	11/14/13
RECEIVED DATE:	11/14/13	11/14/13	11/14/13	11/14/13
MATRIX	Units	Potable Water	Potable Water	Potable Water

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

Compound	Units	PW2907-EFF	PW2907-MID1	PW2907-IN	PW2907-MID2
tert-Amyl alcohol (TAA)	ug/L	<10.0	<10.0	<10.0	<10.0
tert-Amyl methyl ether (TAME)	ug/L	<0.50	<0.50	10.6	<0.50
Benzene	ug/L	<0.50	<0.50	<0.50	<0.50
Bromobenzene	ug/L	<0.50	<0.50	<0.50	<0.50
Bromochloromethane	ug/L	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	<0.50	<0.50	<0.50	<0.50
Bromoform	ug/L	<0.50	<0.50	<0.50	<0.50
Bromomethane	ug/L	<0.50	<0.50	<0.50	<0.50
tert-Butanol (TBA)	ug/L	<10.0	<10.0	<10.0	<10.0
n-Butylbenzene	ug/L	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene	ug/L	<0.50	<0.50	<0.50	<0.50
tert-Butylbenzene	ug/L	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50
Chloroethane	ug/L	<0.50	<0.50	<0.50	<0.50
Chloroform	ug/L	<0.50	<0.50	<0.50	<0.50
Chloromethane	ug/L	<0.50	<0.50	<0.50	<0.50
2- & 4-Chlorotoluene	ug/L	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	<0.50	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane	ug/L	<0.50	<0.50	<0.50	<0.50
1,2-Dibromoethane (EDB)	ug/L	<0.50	<0.50	<0.50	<0.50
Dibromomethane	ug/L	<0.50	<0.50	<0.50	<0.50
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	ug/L	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	<0.50	<0.50	2.38	<0.50
1,1-Dichloroethene	ug/L	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethene	ug/L	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	ug/L	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropane	ug/L	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane	ug/L	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene	ug/L	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50	<0.50	<0.50

1 = Result taken from diluted analysis

Analytical Results

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VELAP ID 460040

Project: 2907 CHURCHVILLE RD

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Jessup MD, 20794

CLIENT SAMPLE ID:	PW2907-EFF	PW2907-MID1	PW2907-IN	PW2907-MID2
LAB SAMPLE ID:	3111404-01	3111404-02	3111404-03	3111404-04
SAMPLE DATE:	11/14/13	11/14/13	11/14/13	11/14/13
RECEIVED DATE:	11/14/13	11/14/13	11/14/13	11/14/13
MATRIX	Units	Potable Water	Potable Water	Potable Water

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

trans-1,3-Dichloropropene	ug/L	<0.50	<0.50	<0.50	<0.50
Diisopropyl ether (DIPE)	ug/L	<0.50	<0.50	6.50	<0.50
Ethyl tert-butyl ether (ETBE)	ug/L	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	<0.50	<0.50	<0.50	<0.50
Hexachlorobutadiene	ug/L	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50	<0.50	<0.50
4-Isopropyltoluene	ug/L	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether (MTBE)	ug/L	<0.50	<0.50	409 [1]	<0.50
Methylene chloride	ug/L	<0.50	<0.50	<0.50	<0.50
Naphthalene	ug/L	<0.50	<0.50	<0.50	<0.50
n-Propylbenzene	ug/L	<0.50	<0.50	<0.50	<0.50
Styrene	ug/L	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene	ug/L	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	<0.50	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<0.50	<0.50
Trichloroethene	ug/L	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane (Freon 11)	ug/L	<0.50	<0.50	<0.50	<0.50
1,2,3-Trichloropropane	ug/L	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50	<0.50	<0.50
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50	<0.50	<0.50
Vinyl chloride	ug/L	<0.50	<0.50	<0.50	<0.50
o-Xylene	ug/L	<0.50	<0.50	<0.50	<0.50
m- & p-Xylenes	ug/L	<0.50	<0.50	<0.50	<0.50
4-Bromofluorobenzene	[surr]	<u>88.9%</u>	<u>95.0%</u>	<u>102%</u>	<u>99.7%</u>
1,2-Dichlorobenzene-d4	[surr]	<u>88.8%</u>	<u>95.4%</u>	<u>91.2%</u>	<u>90.1%</u>

1 = Result taken from diluted analysis

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 Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank
 HCL, H₂SO₄, Methanol, Na₂S₂O₃, NaHCO₃

MSS Lab ID

3111404-01
 -02
 -03
 -04

Analysis Requested	No. of Containers	Soil	Water	Other
	2		PW	
	↓		↓	
	2		PW	

Docs + Oxy 524.2

Project Manager:
 J. Wolf
 Project ID:
 OS-05625072
 P.O. Number:
 OS-05625072

Date	Time	Water	Soil	Other
11-14-13	12:30	PW		
↓	12:32	↓		
↓	12:34	↓		
11-14-13	12:31	PW		

PW 2907 - Eff
 PW 2907 - Mid 1
 PW 2907 - LA
 PW 2907 - Mid 2

Relinquished by: (Signature) [Signature] (Printed)	Date/Time 17:44	Received by: (Signature) [Signature] (Printed)	Date/Time 11-14-13	Relinquished by: (Signature) [Signature] (Printed)	Received by: (Signature) [Signature] (Printed)
Relinquished by: (Signature) [Signature] (Printed)	Date/Time 11-14-13	Received by: (Signature) [Signature] (Printed)	Date/Time 11-14-13	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: _____ Specific Due Date: _____	
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: Results to Steve J Wolf			
Lab Use: Temp: 4.4 °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input checked="" type="checkbox"/> Preservation Appropriate Sample Disposal: <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days					