

# **ADVANTAGE ENVIRONMENTAL CONSULTANTS, LLC**

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## **September 2011 Groundwater Sampling Data Package**

**Gasoline Fueling Station – Royal Farms #96  
500 Mechanics Valley Road  
North East, Cecil County, Maryland 21901**

**OCP Case No. 2011-0729-CE  
MDE Facility No. 13326**

**AEC Project Number: 05-056 RF096**

**Prepared for:**

Maryland Department of the Environment  
Oil Control Program  
Montgomery Park  
1800 Washington Boulevard  
Baltimore, Maryland 21230-1719

And

Royal Farms / Two Farms, Inc.  
3611 Roland Avenue  
Baltimore, Maryland 21211

**Prepared by:**

Advantage Environmental Consultants, LLC (AEC)  
8610 Washington Boulevard, Suite 217  
Jessup, MD 20794  
Phone – (301)-776-0500  
Fax – (301)-776-1123

September 23, 2011

***ADVANTAGE ENVIRONMENTAL CONSULTANTS, LLC***

**This package contains the following documents:**

Site Features Map

Site Area Map

Groundwater Gradient Map

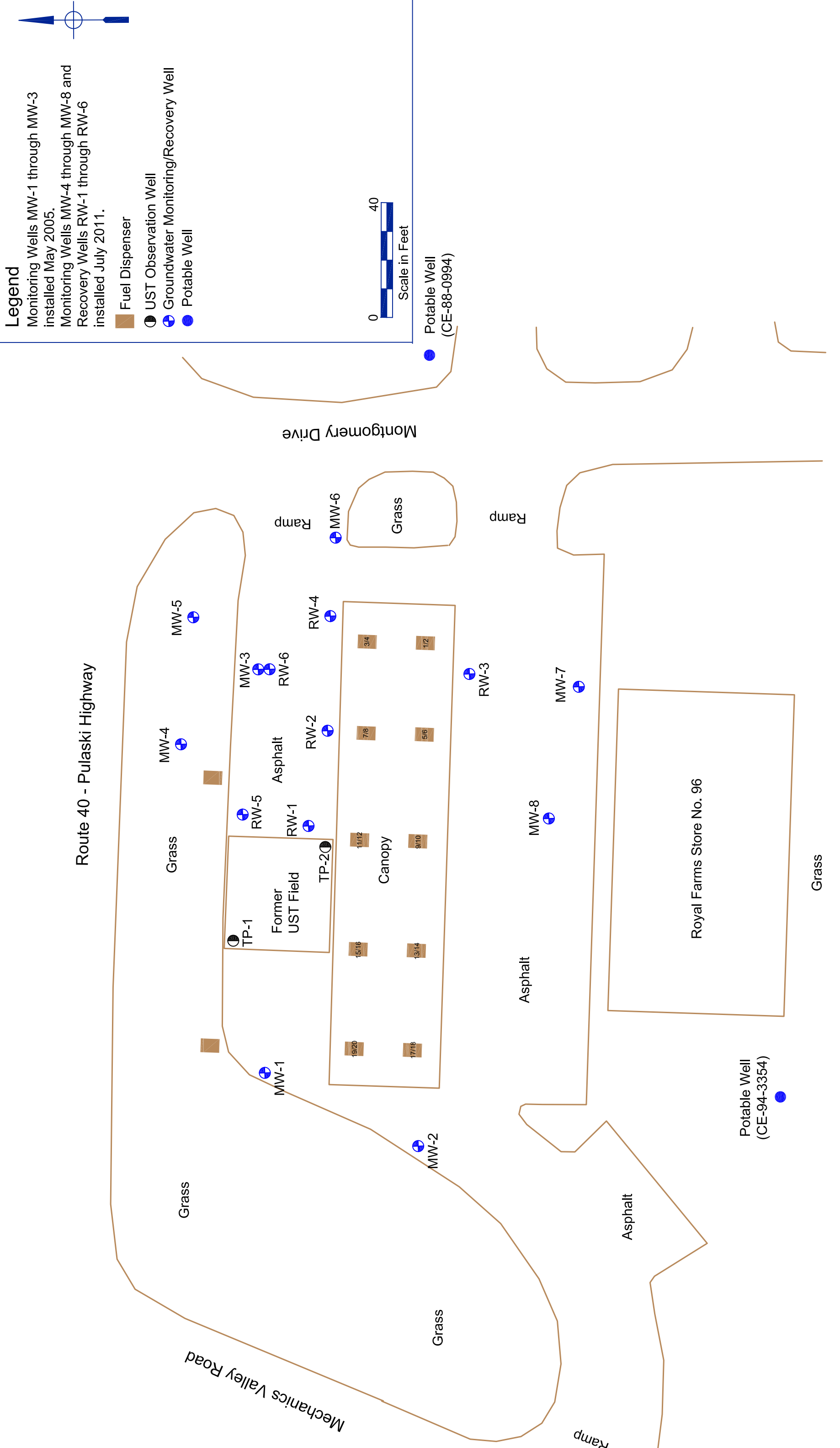
Groundwater Quality Map

Potable Well Sample Map

Table of Onsite Groundwater Sample Analytical Results

Table of Onsite Groundwater Sample Analytical Results

Laboratory Analytical Reports



<b>Advantage Environmental Consultants, LLC</b> 8610 Washington Blvd. Suite 217 Jessup, MD 20794 Phone 301-776-0500 Fax 301-776-1123		Project No.: 05-056	Drawn by: JSS
		Task No.: RF96	Date: 9-22-11
		File: Site Features	Revision No.: 2
<b>Figure 1 - Site Features Map</b> Royal Farms No. 96 500 Mechanics Valley Road North East, MD			



Route 40 Pulaski Highway

Mechanics Valley Road

Montgomery Drive

10 Montgomery Drive

18 Montgomery Drive

Dispensers

Royal Farms Store

No information available

513 Mechanics Valley Rd.

505 Mechanics Valley Rd.

493 Mechanics Valley Rd.

487 Mechanics Valley Rd.

475 Mechanics Valley Rd.

463 Mechanics Valley Rd.

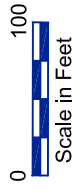
CE-88-0994  
TD = 360 ft.  
CD = 60 ft.

CE-94-3354  
TD = 350 ft.  
CD = 59 ft.

CE-81-0886  
TD = 400 ft.  
CD = 64 ft.

CE-94-6569  
TD = 400 ft.  
CD = 60 ft.

- Approximate Potable Well Location
- No information available for 513 Mechanics Valley Road.
- TD = Total Well Depth in Feet
- CD = Casing Depth in Feet.



### Advantage Environmental Consultants, LLC

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Project No.: 05-056

Task No.: RF96

File: Site Area

Drawn by: JSS

Date: 9-23-11

Revision No.: 2

Figure 2 - Site Area Map  
 Royal Farms No. 96  
 500 Mechanics Valley Road  
 North East, MD

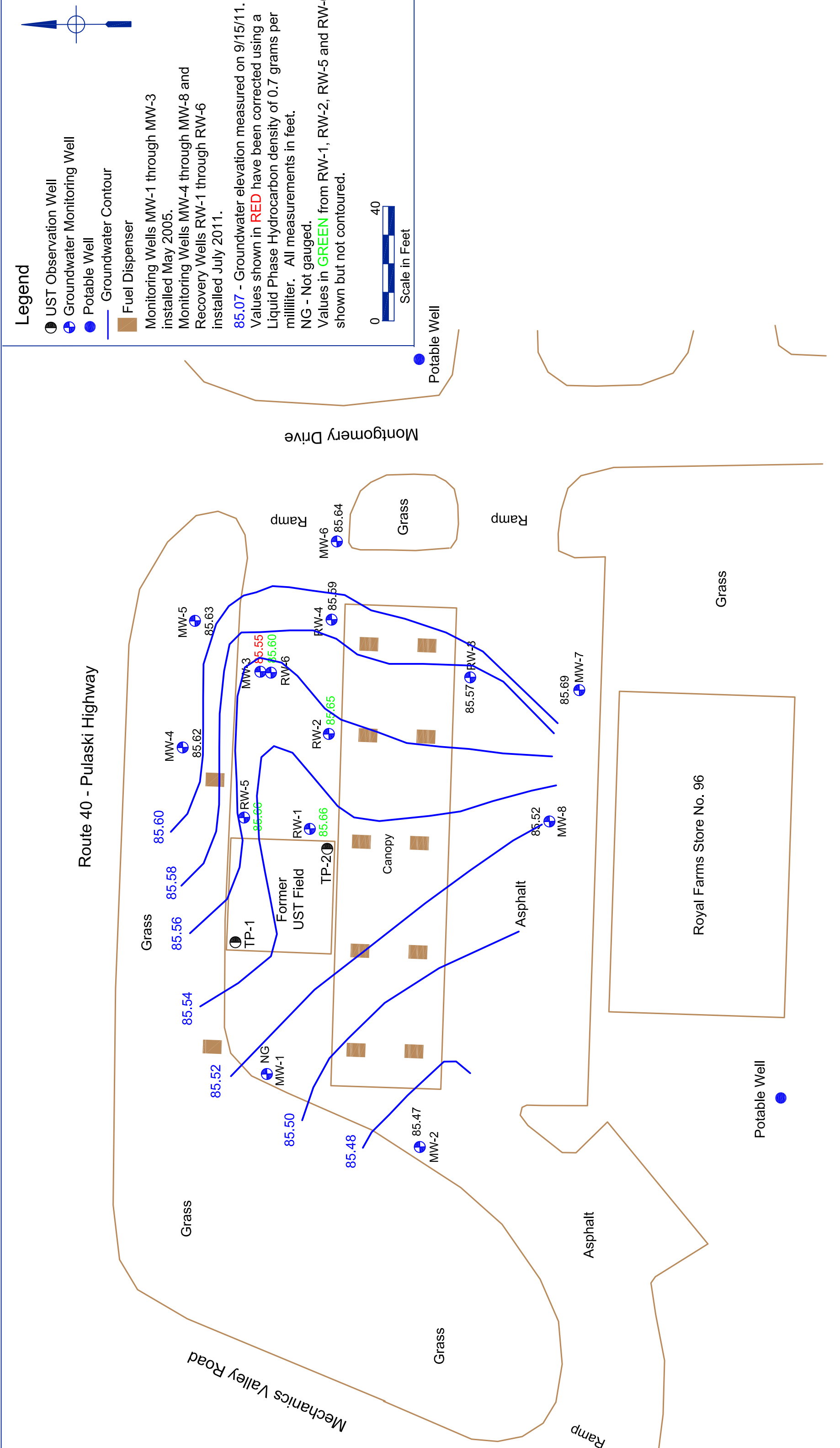
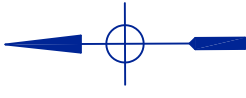


Figure 3 - Groundwater Gradient Map

Royal Farms No. 96  
 500 Mechanics Valley Road  
 North East, MD

Project No.: 05-056	Drawn by: JSS
Task No.: RF96	Date: 9-23-11
File: GW Grad	Revision No.: 2

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**Legend**

- Potable Well
- UST Observation Well
- Groundwater Monitoring Well
- Fuel Dispenser

Monitoring Wells MW-1 through MW-3 installed May 2005.  
 Monitoring Wells MW-4 through MW-8 and Recovery Wells RW-1 through RW-6 installed July 2011.

Total BTEX/TPH GRO/TPH DRO  
 BTEX - Benzene, Toluene, Ethylbenzene, Xylenes  
 TPH - Total Petroleum Hydrocarbons  
 GRO - Gasoline Range Organics  
 DRO - Diesel Range Organics  
 BDL - Below Detection Limits  
 LPH - Liquid Phase Hydrocarbon  
 NS - Not Sampled  
 BTEX via EPA Method 8260  
 TPH GRO and DRO via EPA Method 8015  
 BTEX reported in micrograms per liter (ug/l)  
 TPH GRO/DRO reported in milligrams per liter (mg/l)  
 Samples collected 9-15-11



Route 40 - Pulaski Highway

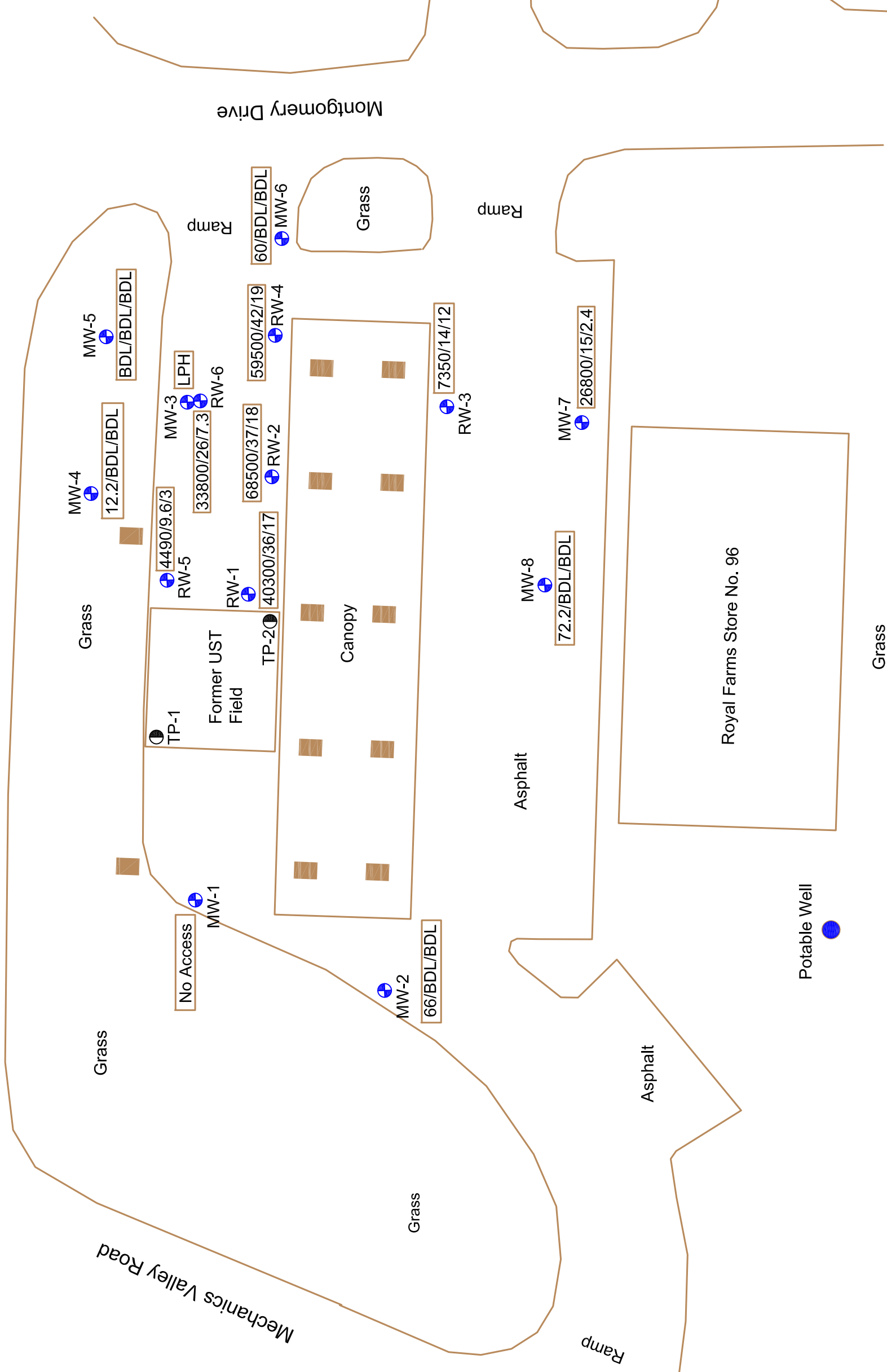


Figure 4 - Groundwater Quality Map

Royal Farms No. 96  
 500 Mechanics Valley Road  
 North East, MD

Project No.: 05-056	Drawn by: JSS
Task No.: RF96	Date: 9-23-11
File:	Revision No.: 2

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Route 40 Pulaski Highway

Mechanics Valley Road

513 - No well construction or location information available

Inf. - MTBE = 78.2  
Mid1 - MTBE = 1.07  
Mid2 - MTBE = BDL  
Eff. - MTBE = 5.6

CE-94-0008  
TD = 147 ft.  
CD = 40 ft.

Inf. - MTBE = 3.26

CE-81-0226  
TD = 165 ft.  
CD = 55 ft.

487  
489  
No Permit Hand dug well TD = 25 ft.

Inf. - MTBE = BDL

CE-94-3354  
TD = 350 ft.  
CD = 59 ft.

Inf. - MTBE = 6  
Mid1 - MTBE = BDL  
Mid2 - MTBE = BDL  
Eff. - MTBE = BDL

Dispensers

Royal Farms Store

10 Montgomery Drive

18 Montgomery Drive

Inf. - All BDL

CE-88-0994  
TD = 360 ft.  
CD = 60 ft.

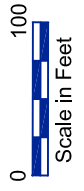
CE-81-0886  
TD = 400 ft.  
CD = 64 ft.

Inf. - MTBE = 1.31

Inf. - MTBE = 0.79

CE-94-6569  
TD = 400 ft.  
CD = 60 ft.

• Approximate Potable Well Location  
 MTBE - Methyl tert-butyl ether  
 BDL - Below Detection Limits  
 MTBE via EPA Method 8260  
 MTBE reported in micrograms per liter (ug/l)  
 Samples collected 9-15-11  
 Some compounds may have been detected but are not illustrated on this figure  
 No information available for 513 Mechanics Valley Road.  
 TD = Total Well Depth in Feet  
 CD = Casing Depth in Feet.  
 Inf. = Influent  
 Eff. = Effluent



<b>Advantage Environmental Consultants, LLC</b> 8610 Washington Blvd. Suite 217 Jessup, MD 20794 Phone 301-776-0500 Fax 301-776-1123	Project No.: 05-056 Task No.: RF96 File: Site Area	Drawn by: JSS Date: 9-23-11 Revision No.: 2	<b>Figure 5 - Potable Well Sample Map</b> Royal Farms No. 96 500 Mechanics Valley Road North East, MD
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**Table 1 - Historical Onsite Groundwater Analytical Results**  
**Gasoline Fueling Station – Royal Farms #96**  
**500 Mechanics Valley Road, North East MD**

Sample ID	Date	B	T	E	X	Total BTEX	MTBE	Naphthalene	TPH GRO	TPH DRO	Comments
MW-1	8/4/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	No Access
	9/15/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	No Access
MW-2	8/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	9/15/2011	31	7.2	BDL	27.8	66	BDL	12	BDL	BDL	
MW-3	8/4/2011	730	2700	800	4800	9030	BDL	400	13	6.6	
	9/15/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	LPH
MW-4	8/4/2011	BDL	BDL	BDL	21.6	21.6	BDL	18	BDL	BDL	
	9/15/2011	BDL	5.1	BDL	7.1	12.2	BDL	BDL	BDL	BDL	
MW-5	8/4/2011	BDL	6.6	BDL	8.2	14.8	BDL	BDL	BDL	BDL	
	9/15/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
MW-6	8/4/2011	BDL	9	BDL	BDL	9	BDL	BDL	BDL	BDL	
	9/15/2011	9.3	29	BDL	21.7	60	BDL	BDL	BDL	BDL	
MW-7	8/4/2011	530	860	64	420	1874	16	27	1.8	0.7	
	9/15/2011	7200	12000	1100	6500	26800	BDL	310	15	2.4	
MW-8	8/4/2011	5.2	12	BDL	7	24.2	BDL	BDL	BDL	BDL	
	9/15/2011	11	11	6.2	44	72.2	BDL	26	BDL	BDL	
RW-1	8/4/2011	260	700	240	1360	2560	BDL	250	5.3	2.1	
	9/15/2011	2600	9400	4100	24200	40300	BDL	2600	36	17	
RW-2	8/4/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	LPH
	9/15/2011	17300	30000	3800	17400	68500	BDL	3500	37	18	
RW-3	8/4/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	LPH
	9/15/2011	640	2300	210	4200	7350	BDL	450	14	12	
RW-4	8/4/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	LPH
	9/15/2011	15400	25000	3300	15800	59500	BDL	2700	42	19	
RW-5	8/4/2011	113	170	130	1140	1553	BDL	310	2.6	1.6	
	9/15/2011	190	2000	370	1930	4490	BDL	300	9.6	3	
RW-6	8/4/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	LPH
	9/15/2011	5800	13000	1800	13200	33800	BDL	2800	26	7.3	
PW-1	8/4/2011	BDL	BDL	BDL	BDL	BDL	4.8	BDL	NS	NS	
	9/15/2011	BDL	BDL	BDL	BDL	BDL	6	BDL	NS	NS	
PW-2a	8/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
	9/15/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
PW-2b	8/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
	9/15/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
PW-3	8/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
	9/15/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
<b>Type I and II Aquifers</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>10000</b>	<b>NRS</b>	<b>20</b>	<b>1.4</b>	<b>0.047</b>	<b>0.047</b>	

TPH GRO and DRO results in parts per million or mg/l

BTEX and MTBE results in parts per billion or ug/l

BDL = Below Detection Limits

B = Benzene; T = Toluene; E = Ethylbenzene; X = Xylene

MTBE = Methyl-tert-butyl-ether

TPH GRO = Total Petroleum Hydrocarbons Gasoline Range Organics

TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

PW-1 = Potable Well Influent; PW-2 = Potable Well Mid Point; PW-3 = Potable Well Effluent

NS = Not Sampled

Some compounds may have been detected but are not tabulated on this spreadsheet.

See laboratory analytical results reports for full results.

J Denotes Estimated Value

MDE Standards (Generic Numeric Cleanup Standards for Groundwater and Soil - Interim Final Guidance Update No. 2.1 - June 2008)

NRS = No Regulatory Standard



**Table 2 - Offsite Potable Well Groundwater Analytical Results  
Gasoline Fueling Station – Royal Farms #96  
500 Mechanics Valley Road, North East, MD 21901**

Address	Sample ID	Date	B	T	E	X	Total BTEX	MTBE	Napthh
463 Mechanic Valley Road	PW-463	6/29/2011	BDL	BDL	BDL	BDL	BDL	0.71	BDL
463 Mechanic Valley Road	PW-463	8/4/2011	BDL	BDL	BDL	BDL	BDL	0.75	BDL
463 Mechanic Valley Road	PW-463	9/15/2011	BDL	BDL	BDL	BDL	BDL	0.79	BDL
475 Mechanic Valley Road	PW-475	6/29/2011	BDL	BDL	BDL	BDL	BDL	1.7	BDL
475 Mechanic Valley Road	PW-475	8/4/2011	BDL	BDL	BDL	BDL	BDL	1.98	BDL
475 Mechanic Valley Road	PW-475	9/15/2011	BDL	BDL	BDL	BDL	BDL	1.31	BDL
487 Mechanic Valley Road	PW-487	6/14/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
487 Mechanic Valley Road	PW-487	7/12/2011	1.3	7.4	BDL	2.5	11.2	4.1	<b>2.9</b>
487 Mechanic Valley Road	PW-487	8/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
487 Mechanic Valley Road	PW-487	9/15/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
493 Mechanic Valley Road	PW-493	6/14/2011	BDL	BDL	BDL	BDL	BDL	3.43	BDL
493 Mechanic Valley Road	PW-493	7/12/2011	BDL	BDL	BDL	BDL	BDL	3.8	BDL
493 Mechanic Valley Road	PW-493	8/4/2011	BDL	BDL	BDL	BDL	BDL	3.38	BDL
493 Mechanic Valley Road	PW-493	9/15/2011	BDL	BDL	BDL	BDL	BDL	3.26	BDL
505 Mechanic Valley Road	PW-505	6/14/2011	BDL	BDL	BDL	BDL	BDL	<b>89.8</b>	BDL
505 Mechanic Valley Road	PW-505-In	7/12/2011	BDL	BDL	BDL	BDL	BDL	<b>150</b>	BDL
505 Mechanic Valley Road	PW-505-In	8/4/2011	BDL	BDL	BDL	BDL	BDL	<b>102</b>	BDL
505 Mechanic Valley Road	PW-505-In	9/15/2011	BDL	BDL	BDL	BDL	BDL	<b>72.8 D</b>	BDL
505 Mechanic Valley Road	PW-505-Mid1	7/12/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
505 Mechanic Valley Road	PW-505-Mid1	8/4/2011	BDL	BDL	BDL	BDL	BDL	1.17	BDL
505 Mechanic Valley Road	PW-505-Mid1	9/15/2011	BDL	BDL	BDL	BDL	BDL	1.07	BDL
505 Mechanic Valley Road	PW-505-Mid2	7/12/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
505 Mechanic Valley Road	PW-505-Mid2	8/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
505 Mechanic Valley Road	PW-505-Mid2	9/15/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
505 Mechanic Valley Road	PW-505-Eff	7/12/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
505 Mechanic Valley Road	PW-505-Eff	8/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
505 Mechanic Valley Road	PW-505-Eff	9/15/2011	BDL	BDL	BDL	BDL	BDL	5.6	BDL
513 Mechanic Valley Road	PW-513	6/14/2011	BDL	BDL	BDL	BDL	BDL	<b>82.2</b>	BDL
513 Mechanic Valley Road	PW-513-In	7/12/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
513 Mechanic Valley Road	PW-513-In	8/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
513 Mechanic Valley Road	PW-513-In	9/15/2011	BDL	BDL	BDL	BDL	BDL	<b>96.7</b>	BDL
513 Mechanic Valley Road	PW-513-Mid1	7/12/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
513 Mechanic Valley Road	PW-513-Mid2	7/12/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
513 Mechanic Valley Road	PW-513-Eff	7/12/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10 Montgomery Drive	PW-10-18	6/29/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10 Montgomery Drive	PW-10	8/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10 Montgomery Drive	PW-10	9/15/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL
<b>MDE Standards - Type I and II Aquifers</b>			<b>5</b>	<b>1000</b>	<b>700</b>	<b>10000</b>	<b>NRS</b>	<b>20</b>	<b>0.65</b>

All results and Standards in parts per billion or µg/l

BDL = Below Detection Limits

B = Benzene; T = Toluene; E = Ethylbenzene; X = Xylene; MTBE = Methyl-tert-butyl-ether; Napthh = Naphthalene

NS = Not Sampled

D = Value is the result of a second analysis diluted x4.

Some compounds may have been detected but are not tabulated on this spreadsheet.

See laboratory analytical results reports for full results.

MDE Standards (Generic Numeric Cleanup Standards for Groundwater and Soil - Interim Final Guidance Update No. 2.1 - June 2008)

NRS = No Regulatory Standard

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>RW-1</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-1	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	4100
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	16000
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	8200
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	240
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	1800
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	5600
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	2600	99-87-6	4-Isopropyltoluene	61
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	2600
108-88-3	<b>Toluene</b>	9400	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	36	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	17	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>RW-2</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-1	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	3800
108-20-3	<b>Isopropyl ether DIPE</b>	270	108-38-3	<b>m,p-xylene</b>	12000
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	5400
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	130
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	590
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	1400
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	17300	99-87-6	4-Isopropyltoluene	44
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	3500
108-88-3	<b>Toluene</b>	30000	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	37	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	18	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>RW-3</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-1	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	210
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	2600
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	1600
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	41
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	500
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	1200
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	640	99-87-6	4-Isopropyltoluene	38
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	450
108-88-3	<b>Toluene</b>	2300	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	14	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	12	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

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Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>RW-4</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-4	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	3300
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	11000
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	4800
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	160
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	1200
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	3900
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	15400	99-87-6	4-Isopropyltoluene	55
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	2700
108-88-3	<b>Toluene</b>	25000	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	42	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	19	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

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Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>RW-5</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-4	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	370
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	1200
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	730
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	49
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	340
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	800
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	190	99-87-6	4-Isopropyltoluene	32
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	300
108-88-3	<b>Toluene</b>	2000	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	9.6	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	3.0	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>RW-6</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-1	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	1800
108-20-3	<b>Isopropyl ether DIPE</b>	120	108-38-3	<b>m,p-xylene</b>	9000
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	4200
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	100
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	600
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	1100
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	5800	99-87-6	4-Isopropyltoluene	48
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	2800
108-88-3	<b>Toluene</b>	13000	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	26	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	7.3	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>MW-2</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-4	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	< 5.0
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	9.8
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	18
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	< 5.0
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	< 5.0
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	13
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	31	99-87-6	4-Isopropyltoluene	< 5.0
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	12
108-88-3	<b>Toluene</b>	7.2	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date



### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>MW-4</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-1	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	< 5.0
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	7.1
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	< 5.0
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	< 5.0
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	< 5.0
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	< 5.0
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	< 5.0	99-87-6	4-Isopropyltoluene	< 5.0
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	< 5.0
108-88-3	<b>Toluene</b>	5.1	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>MW-5</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-1	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	< 5.0
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	< 5.0
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	< 5.0
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	< 5.0
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	< 5.0
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	< 5.0
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	< 5.0	99-87-6	4-Isopropyltoluene	< 5.0
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	< 5.0
108-88-3	<b>Toluene</b>	< 5.0	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>MW-6</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-4	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	< 5.0
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	15
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	6.7
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	< 5.0
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	< 5.0
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	6.4
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	9.3	99-87-6	4-Isopropyltoluene	< 5.0
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	< 5.0
108-88-3	<b>Toluene</b>	29	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: MW-7	Date Sampled: 09/15/11
Site: 500 Mechanic Valley Rd	Date Received: 09/16/11
Job No: 05-056 RF-96	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-4	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	1100
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	4300
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	2200
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	39
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	200
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	540
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	7200	99-87-6	4-Isopropyltoluene	9.4
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	310
108-88-3	<b>Toluene</b>	12000	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	15	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	2.4	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>MW-8</b>	Date Sampled: 09/15/11
Site: <b>500 Mechanic Valley Rd</b>	Date Received: 09/16/11
Job No: <b>05-056 RF-96</b>	Date Analyzed: 09/17/11

EPA Method 8260			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 5.0	10061-02-4	Trans-1,3-dichloropropene	< 5.0
74-87-3	Chloromethane	< 5.0	79-00-5	1,1,2-Trichloroethane	< 5.0
75-01-4	Vinyl chloride	< 5.0	108-10-1	4-Methyl-2-pentanone	< 5.0
74-83-9	Bromomethane	< 5.0	591-78-6	2-Hexanone	< 5.0
75-00-3	Chloroethane	< 5.0	127-18-4	Tetrachloroethene	< 5.0
75-69-4	Trichlorofluoromethane	< 5.0	142-28-9	1,3-Dichloropropane	< 5.0
75-35-4	1,1-Dichloroethene	< 5.0	124-48-1	Dibromochloromethane	< 5.0
75-65-0	<b>Tert-butanol; TBA</b>	< 50	106-93-4	1,2-Dibromoethane	< 5.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 5.0	108-90-7	Chlorobenzene	< 5.0
75-09-2	Methylene chloride	< 5.0	630-20-6	1,1,1,2-Tetrachloroethane	< 5.0
156-60-5	Trans-1,2-dichloroethene	< 5.0	100-41-4	<b>Ethylbenzene</b>	6.2
108-20-3	<b>Isopropyl ether DIPE</b>	< 5.0	108-38-3	<b>m,p-xylene</b>	27
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 20	95-47-6	<b>o-xylene</b>	17
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 5.0	100-42-5	Styrene	< 5.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 200	75-25-2	Bromoform	< 5.0
75-34-3	1,1-Dichloroethane	< 5.0	98-82-8	Isopropylbenzene	< 5.0
67-64-1	Acetone	< 5.0	108-86-1	Bromobenzene	< 5.0
594-20-7	2,2-Dichloropropane	< 5.0	79-34-5	1,1,2,2-Tetrachloroethane	< 5.0
156-59-2	Cis-1,2-dichloroethene	< 5.0	96-18-4	1,2,3-Trichloropropane	< 5.0
75-27-4	Bromochloromethane	< 5.0	103-65-1	N-propylbenzene	< 5.0
67-66-3	Chloroform	< 5.0	95-49-8	2-Chlorotoluene	< 5.0
71-55-6	1,1,1-Trichloroethane	< 5.0	106-43-4	4-Chlorotoluene	< 5.0
56-23-5	Carbon tetrachloride	< 5.0	108-67-8	1,3,5-Trimethylbenzene	7.4
78-3-93	2-Butanone	< 5.0	98-06-6	Tert-butylbenzene	< 5.0
563-58-6	1,1-Dichloropropene	< 5.0	120-82-1	1,2,4-Trimethylbenzene	19
108-05-4	Vinyl Acetate	< 5.0	135-98-8	Sec-butylbenzene	< 5.0
110-75-8	2-Chloroethylvinyl ether	< 5.0	541-73-1	1,3-Dichlorobenzene	< 5.0
71-43-2	<b>Benzene</b>	11	99-87-6	4-Isopropyltoluene	< 5.0
107-06-2	1,2-Dichloroethane	< 5.0	106-46-7	1,4-Dichlorobenzene	< 5.0
79-01-6	Trichloroethene	< 5.0	95-50-1	1,2-Dichlorobenzene	< 5.0
75-65-0	<b>Tert-amyl ethyl ether TAAE</b>	< 20	104-51-8	n-Butylbenzene	< 5.0
78-87-5	1,2-Dichloropropane	< 5.0	96-12-8	1,2-Dibromo-3-chloropropan	< 5.0
74-95-3	Dibromomethane	< 5.0	120-82-1	1,2,4-Trichlorobenzene	< 5.0
75-27-4	Bromodichloromethane	< 5.0	87-68-3	Hexachlorobutadiene	< 5.0
10061-01-5	Cis-1,3-dichloropropene	< 5.0	91-20-3	Naphthalene	26
108-88-3	<b>Toluene</b>	11	87-61-6	1,2,3-Trichlorobenzene	< 5.0

	Concentration Detected	Units	Method	PQL	Date Analyzed
TPH - GRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11
TPH - DRO	< 0.5	mg/L	EPA 8015M	0.5	09/19/11

\*\*\* Oxygenates & BTEX in bold

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>PW-1</b>	Date Sampled: 09/15/11
Site: <b>RF 96 500 Mechanics Valley Rd</b>	Date Received: 09/16/11
Job No: 05-056RF096	Date Analyzed: 09/18/11

EPA Method 524.2			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 1.0	10061-02-4	Trans-1,3-dichloropropene	< 1.0
74-87-3	Chloromethane	< 1.0	79-00-5	1,1,2-Trichloroethane	< 1.0
75-01-4	Vinyl chloride	< 1.0	108-10-1	4-Methyl-2-pentanone	< 1.0
74-83-9	Bromomethane	< 1.0	591-78-6	2-Hexanone	< 1.0
75-00-3	Chloroethane	< 1.0	127-18-4	Tetrachloroethene	< 1.0
75-69-4	Trichlorofluoromethane	< 1.0	142-28-9	1,3-Dichloropropane	< 1.0
75-35-4	1,1-Dichloroethene	< 1.0	124-48-1	Dibromochloromethane	< 1.0
75-65-0	<b>Tert-butanol; TBA</b>	< 10	106-93-4	1,2-Dibromoethane	< 1.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	6.0	108-90-7	Chlorobenzene	< 1.0
75-09-2	Methylene chloride	< 1.0	630-20-6	1,1,1,2-Tetrachloroethane	< 1.0
156-60-5	Trans-1,2-dichloroethene	< 1.0	100-41-4	<b>Ethylbenzene</b>	< 1.0
108-20-3	<b>Isopropyl ether DIPE</b>	< 1.0	108-38-3	<b>m,p-xylene</b>	< 1.0
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 4.0	95-47-6	<b>o-xylene</b>	< 1.0
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 4.0	100-42-5	Styrene	< 1.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 40	75-25-2	Bromoform	< 1.0
75-34-3	1,1-Dichloroethane	< 1.0	98-82-8	Isopropylbenzene	< 1.0
67-64-1	Acetone	< 1.0	108-86-1	Bromobenzene	< 1.0
594-20-7	2,2-Dichloropropane	< 1.0	79-34-5	1,1,2,2-Tetrachloroethane	< 1.0
156-59-2	Cis-1,2-dichloroethene	< 1.0	96-18-4	1,2,3-Trichloropropane	< 1.0
75-27-4	Bromochloromethane	< 1.0	103-65-1	N-propylbenzene	< 1.0
67-66-3	Chloroform	< 1.0	95-49-8	2-Chlorotoluene	< 1.0
71-55-6	1,1,1-Trichloroethane	< 1.0	106-43-4	4-Chlorotoluene	< 1.0
56-23-5	Carbon tetrachloride	< 1.0	108-67-8	1,3,5-Trimethylbenzene	< 1.0
78-3-93	2-Butanone	< 1.0	98-06-6	Tert-butylbenzene	< 1.0
563-58-6	1,1-Dichloropropene	< 1.0	120-82-1	1,2,4-Trimethylbenzene	< 1.0
108-05-4	Vinyl Acetate	< 1.0	135-98-8	Sec-butylbenzene	< 1.0
110-75-8	2-Chloroethylvinyl ether	< 1.0	541-73-1	1,3-Dichlorobenzene	< 1.0
71-43-2	<b>Benzene</b>	< 1.0	99-87-6	4-Isopropyltoluene	< 1.0
107-06-2	1,2-Dichloroethane	< 1.0	106-46-7	1,4-Dichlorobenzene	< 1.0
79-01-6	Trichloroethene	< 1.0	95-50-1	1,2-Dichlorobenzene	< 1.0
75-65-0	<b>Tert-amyl ethyl ether TAE</b>	< 4.0	104-51-8	n-Butylbenzene	< 1.0
78-87-5	1,2-Dichloropropane	< 1.0	96-12-8	1,2-Dibromo-3-chloropropan	< 1.0
74-95-3	Dibromomethane	< 1.0	120-82-1	1,2,4-Trichlorobenzene	< 1.0
75-27-4	Bromodichloromethane	< 1.0	87-68-3	Hexachlorobutadiene	< 1.0
10061-01-5	Cis-1,3-dichloropropene	< 1.0	91-20-3	Naphthalene	< 1.0
108-88-3	<b>Toluene</b>	< 1.0	87-61-6	1,2,3-Trichlorobenzene	< 1.0

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**Oxygenates & BTEX in bold**

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client:	Advantage Environmental	Matrix:	Water
Client ID:	<b>PW-2a</b>	Date Sampled:	09/15/11
Site:	<b>RF 96 500 Mechanics Valley Rd</b>	Date Received:	09/16/11
Job No:	05-056RF096	Date Analyzed:	09/18/11

EPA Method 524.2			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 1.0	10061-02-4	Trans-1,3-dichloropropene	< 1.0
74-87-3	Chloromethane	< 1.0	79-00-5	1,1,2-Trichloroethane	< 1.0
75-01-4	Vinyl chloride	< 1.0	108-10-1	4-Methyl-2-pentanone	< 1.0
74-83-9	Bromomethane	< 1.0	591-78-6	2-Hexanone	< 1.0
75-00-3	Chloroethane	< 1.0	127-18-4	Tetrachloroethene	< 1.0
75-69-4	Trichlorofluoromethane	< 1.0	142-28-9	1,3-Dichloropropane	< 1.0
75-35-4	1,1-Dichloroethene	< 1.0	124-48-1	Dibromochloromethane	< 1.0
75-65-0	<b>Tert-butanol; TBA</b>	< 10	106-93-4	1,2-Dibromoethane	< 1.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 1.0	108-90-7	Chlorobenzene	< 1.0
75-09-2	Methylene chloride	< 1.0	630-20-6	1,1,1,2-Tetrachloroethane	< 1.0
156-60-5	Trans-1,2-dichloroethene	< 1.0	100-41-4	<b>Ethylbenzene</b>	< 1.0
108-20-3	<b>Isopropyl ether DIPE</b>	< 1.0	108-38-3	<b>m,p-xylene</b>	< 1.0
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 4.0	95-47-6	<b>o-xylene</b>	< 1.0
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 4.0	100-42-5	Styrene	< 1.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 40	75-25-2	Bromoform	< 1.0
75-34-3	1,1-Dichloroethane	< 1.0	98-82-8	Isopropylbenzene	< 1.0
67-64-1	Acetone	< 1.0	108-86-1	Bromobenzene	< 1.0
594-20-7	2,2-Dichloropropane	< 1.0	79-34-5	1,1,2,2-Tetrachloroethane	< 1.0
156-59-2	Cis-1,2-dichloroethene	< 1.0	96-18-4	1,2,3-Trichloropropane	< 1.0
75-27-4	Bromochloromethane	< 1.0	103-65-1	N-propylbenzene	< 1.0
67-66-3	Chloroform	< 1.0	95-49-8	2-Chlorotoluene	< 1.0
71-55-6	1,1,1-Trichloroethane	< 1.0	106-43-4	4-Chlorotoluene	< 1.0
56-23-5	Carbon tetrachloride	< 1.0	108-67-8	1,3,5-Trimethylbenzene	< 1.0
78-3-93	2-Butanone	< 1.0	98-06-6	Tert-butylbenzene	< 1.0
563-58-6	1,1-Dichloropropene	< 1.0	120-82-1	1,2,4-Trimethylbenzene	< 1.0
108-05-4	Vinyl Acetate	< 1.0	135-98-8	Sec-butylbenzene	< 1.0
110-75-8	2-Chloroethylvinyl ether	< 1.0	541-73-1	1,3-Dichlorobenzene	< 1.0
71-43-2	<b>Benzene</b>	< 1.0	99-87-6	4-Isopropyltoluene	< 1.0
107-06-2	1,2-Dichloroethane	< 1.0	106-46-7	1,4-Dichlorobenzene	< 1.0
79-01-6	Trichloroethene	< 1.0	95-50-1	1,2-Dichlorobenzene	< 1.0
75-65-0	<b>Tert-amyl ethyl ether TAEE</b>	< 4.0	104-51-8	n-Butylbenzene	< 1.0
78-87-5	1,2-Dichloropropane	< 1.0	96-12-8	1,2-Dibromo-3-chloropropan	< 1.0
74-95-3	Dibromomethane	< 1.0	120-82-1	1,2,4-Trichlorobenzene	< 1.0
75-27-4	Bromodichloromethane	< 1.0	87-68-3	Hexachlorobutadiene	< 1.0
10061-01-5	Cis-1,3-dichloropropene	< 1.0	91-20-3	Naphthalene	< 1.0
108-88-3	<b>Toluene</b>	< 1.0	87-61-6	1,2,3-Trichlorobenzene	< 1.0

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**Oxygenates & BTEX in bold**

9/21/2011

Approved

Date

### Laboratory Analysis Results

Client:	Advantage Environmental	Matrix:	Water
Client ID:	<b>PW-2b</b>	Date Sampled:	09/15/11
Site:	<b>RF 96 500 Mechanics Valley Rd</b>	Date Received:	09/16/11
Job No:	05-056RF096	Date Analyzed:	09/18/11

EPA Method 524.2			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 1.0	10061-02-1	Trans-1,3-dichloropropene	< 1.0
74-87-3	Chloromethane	< 1.0	79-00-5	1,1,2-Trichloroethane	< 1.0
75-01-4	Vinyl chloride	< 1.0	108-10-1	4-Methyl-2-pentanone	< 1.0
74-83-9	Bromomethane	< 1.0	591-78-6	2-Hexanone	< 1.0
75-00-3	Chloroethane	< 1.0	127-18-4	Tetrachloroethene	< 1.0
75-69-4	Trichlorofluoromethane	< 1.0	142-28-9	1,3-Dichloropropane	< 1.0
75-35-4	1,1-Dichloroethene	< 1.0	124-48-1	Dibromochloromethane	< 1.0
75-65-0	<b>Tert-butanol; TBA</b>	< 10	106-93-4	1,2-Dibromoethane	< 1.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 1.0	108-90-7	Chlorobenzene	< 1.0
75-09-2	Methylene chloride	< 1.0	630-20-6	1,1,1,2-Tetrachloroethane	< 1.0
156-60-5	Trans-1,2-dichloroethene	< 1.0	100-41-4	<b>Ethylbenzene</b>	< 1.0
108-20-3	<b>Isopropyl ether DIPE</b>	< 1.0	108-38-3	<b>m,p-xylene</b>	< 1.0
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 4.0	95-47-6	<b>o-xylene</b>	< 1.0
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 4.0	100-42-5	Styrene	< 1.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 40	75-25-2	Bromoform	< 1.0
75-34-3	1,1-Dichloroethane	< 1.0	98-82-8	Isopropylbenzene	< 1.0
67-64-1	Acetone	< 1.0	108-86-1	Bromobenzene	< 1.0
594-20-7	2,2-Dichloropropane	< 1.0	79-34-5	1,1,2,2-Tetrachloroethane	< 1.0
156-59-2	Cis-1,2-dichloroethene	< 1.0	96-18-4	1,2,3-Trichloropropane	< 1.0
75-27-4	Bromochloromethane	< 1.0	103-65-1	N-propylbenzene	< 1.0
67-66-3	Chloroform	< 1.0	95-49-8	2-Chlorotoluene	< 1.0
71-55-6	1,1,1-Trichloroethane	< 1.0	106-43-4	4-Chlorotoluene	< 1.0
56-23-5	Carbon tetrachloride	< 1.0	108-67-8	1,3,5-Trimethylbenzene	< 1.0
78-3-93	2-Butanone	< 1.0	98-06-6	Tert-butylbenzene	< 1.0
563-58-6	1,1-Dichloropropene	< 1.0	120-82-1	1,2,4-Trimethylbenzene	< 1.0
108-05-4	Vinyl Acetate	< 1.0	135-98-8	Sec-butylbenzene	< 1.0
110-75-8	2-Chloroethylvinyl ether	< 1.0	541-73-1	1,3-Dichlorobenzene	< 1.0
71-43-2	<b>Benzene</b>	< 1.0	99-87-6	4-Isopropyltoluene	< 1.0
107-06-2	1,2-Dichloroethane	< 1.0	106-46-7	1,4-Dichlorobenzene	< 1.0
79-01-6	Trichloroethene	< 1.0	95-50-1	1,2-Dichlorobenzene	< 1.0
75-65-0	<b>Tert-amyl ethyl ether TAE</b>	< 4.0	104-51-8	n-Butylbenzene	< 1.0
78-87-5	1,2-Dichloropropane	< 1.0	96-12-8	1,2-Dibromo-3-chloropropan	< 1.0
74-95-3	Dibromomethane	< 1.0	120-82-1	1,2,4-Trichlorobenzene	< 1.0
75-27-4	Bromodichloromethane	< 1.0	87-68-3	Hexachlorobutadiene	< 1.0
10061-01-5	Cis-1,3-dichloropropene	< 1.0	91-20-3	Naphthalene	< 1.0
108-88-3	<b>Toluene</b>	< 1.0	87-61-6	1,2,3-Trichlorobenzene	< 1.0

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**Oxygenates & BTEX in bold**

9/21/2011

Approved

Date



### Laboratory Analysis Results

Client: Advantage Environmental	Matrix: Water
Client ID: <b>PW-3</b>	Date Sampled: 09/15/11
Site: <b>RF 96 500 Mechanics Valley Rd</b>	Date Received: 09/16/11
Job No: 05-056RF096	Date Analyzed: 09/18/11

EPA Method 524.2			Units: ug/L (ppb)		
CAS Number	Compound	Concentration Detected	CAS Number	Compound	Concentration Detected
75-71-8	Dichlorodifluoromethane	< 1.0	10061-02-4	Trans-1,3-dichloropropene	< 1.0
74-87-3	Chloromethane	< 1.0	79-00-5	1,1,2-Trichloroethane	< 1.0
75-01-4	Vinyl chloride	< 1.0	108-10-1	4-Methyl-2-pentanone	< 1.0
74-83-9	Bromomethane	< 1.0	591-78-6	2-Hexanone	< 1.0
75-00-3	Chloroethane	< 1.0	127-18-4	Tetrachloroethene	< 1.0
75-69-4	Trichlorofluoromethane	< 1.0	142-28-9	1,3-Dichloropropane	< 1.0
75-35-4	1,1-Dichloroethene	< 1.0	124-48-1	Dibromochloromethane	< 1.0
75-65-0	<b>Tert-butanol; TBA</b>	< 10	106-93-4	1,2-Dibromoethane	< 1.0
1634-04-4	<b>Methyl-Tert-butyl ether MTBE</b>	< 1.0	108-90-7	Chlorobenzene	< 1.0
75-09-2	Methylene chloride	< 1.0	630-20-6	1,1,1,2-Tetrachloroethane	< 1.0
156-60-5	Trans-1,2-dichloroethene	< 1.0	100-41-4	<b>Ethylbenzene</b>	< 1.0
108-20-3	<b>Isopropyl ether DIPE</b>	< 1.0	108-38-3	<b>m,p-xylene</b>	< 1.0
637-92-3	<b>Ethyl-tert-butyl ether ETBE</b>	< 4.0	95-47-6	<b>o-xylene</b>	< 1.0
994-05-8	<b>Tert-amyl methyl ether TAME</b>	< 4.0	100-42-5	Styrene	< 1.0
75-85-4	<b>Tert-amyl alcohol TAA</b>	< 40	75-25-2	Bromoform	< 1.0
75-34-3	1,1-Dichloroethane	< 1.0	98-82-8	Isopropylbenzene	< 1.0
67-64-1	Acetone	< 1.0	108-86-1	Bromobenzene	< 1.0
594-20-7	2,2-Dichloropropane	< 1.0	79-34-5	1,1,2,2-Tetrachloroethane	< 1.0
156-59-2	Cis-1,2-dichloroethene	< 1.0	96-18-4	1,2,3-Trichloropropane	< 1.0
75-27-4	Bromochloromethane	< 1.0	103-65-1	N-propylbenzene	< 1.0
67-66-3	Chloroform	< 1.0	95-49-8	2-Chlorotoluene	< 1.0
71-55-6	1,1,1-Trichloroethane	< 1.0	106-43-4	4-Chlorotoluene	< 1.0
56-23-5	Carbon tetrachloride	< 1.0	108-67-8	1,3,5-Trimethylbenzene	< 1.0
78-3-93	2-Butanone	< 1.0	98-06-6	Tert-butylbenzene	< 1.0
563-58-6	1,1-Dichloropropene	< 1.0	120-82-1	1,2,4-Trimethylbenzene	< 1.0
108-05-4	Vinyl Acetate	< 1.0	135-98-8	Sec-butylbenzene	< 1.0
110-75-8	2-Chloroethylvinyl ether	< 1.0	541-73-1	1,3-Dichlorobenzene	< 1.0
71-43-2	<b>Benzene</b>	< 1.0	99-87-6	4-Isopropyltoluene	< 1.0
107-06-2	1,2-Dichloroethane	< 1.0	106-46-7	1,4-Dichlorobenzene	< 1.0
79-01-6	Trichloroethene	< 1.0	95-50-1	1,2-Dichlorobenzene	< 1.0
75-65-0	<b>Tert-amyl ethyl ether TAEE</b>	< 4.0	104-51-8	n-Butylbenzene	< 1.0
78-87-5	1,2-Dichloropropane	< 1.0	96-12-8	1,2-Dibromo-3-chloropropan	< 1.0
74-95-3	Dibromomethane	< 1.0	120-82-1	1,2,4-Trichlorobenzene	< 1.0
75-27-4	Bromodichloromethane	< 1.0	87-68-3	Hexachlorobutadiene	< 1.0
10061-01-5	Cis-1,3-dichloropropene	< 1.0	91-20-3	Naphthalene	< 1.0
108-88-3	<b>Toluene</b>	< 1.0	87-61-6	1,2,3-Trichlorobenzene	< 1.0

\*\*\*


**Oxygenates & BTEX in bold**

9/21/2011

Approved

Date

### Environmental Sample Chain-of-Custody Record

CLIENT: <u>Royal Farms</u>		TURN-AROUND TIME: <u>Standard</u>		Section to be completed by Laboratory							
Job Number: <u>05-056RF096</u>		Site: <u>RF-96</u>		Temp:	Y N						
Sampler(s): <u>Tom Ruszib / Sams Wolf</u>				Custody Seal:	Y N						
Sample ID	Date	Time	Comp	Grab	Matrix	Preserv. pH	# Bottles	VOA ONLY	TPH	Comments	
PH-3	9/15/11	0950		X	H <sub>2</sub> O	HCl	2				
PH-2A		0952									
PH-2c		0954									
PH-1		0956									
BH-1		1645				Nony-HCl	3				
BH-2		1655									
BH-3		1706									
BH-4		1650									
BH-5		1640									
BH-6		1704									
MW-2		1545									
MW-4		1555									
MW-5		1605									
MW-6		1630									
Relinquished By:		Date/Time		Received By:		Date/Time					
Relinquished By:		Date/Time		Received By: 		Date/Time		09/16/11			
Report Results To:		<p><u>Trace-Gaseous-ammonia</u>  <u>nitric @ acc-env.com</u></p>									



## Analytical Results

**Project:** 10 Montgomery Dr

Project Number: 05-056RF096

Project Manager: Tom Ruszin

Report Issued: 09/21/11 09:23

Advantage Environmental Consultants, LLC

8610 Baltimore Washington Blvd, Suite 217

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-10  
**LAB SAMPLE ID:** 1091603-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

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

## Analytical Results

**Project:** 10 Montgomery Dr

Project Number: 05-056RF096

Project Manager: Tom Ruszin

Report Issued: 09/21/11 09:23

Advantage Environmental Consultants, LLC

8610 Baltimore Washington Blvd, Suite 217

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-10  
**LAB SAMPLE ID:** 1091603-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

trans-1,3-Dichloropropene	ug/L	<0.50
Diisopropyl ether (DIPE)	ug/L	<0.50
Ethyl tert-butyl ether (ETBE)	ug/L	<0.50
Ethylbenzene	ug/L	<0.50
Hexachlorobutadiene	ug/L	<0.50
Isopropylbenzene (Cumene)	ug/L	<0.50
4-Isopropyltoluene	ug/L	<0.50
Methyl tert-butyl ether (MTBE)	ug/L	<0.50
Methylene chloride	ug/L	<0.50
Naphthalene	ug/L	<0.50
n-Propylbenzene	ug/L	<0.50
Styrene	ug/L	<0.50
1,1,1,2-Tetrachloroethane	ug/L	<0.50
1,1,2,2-Tetrachloroethane	ug/L	<0.50
Tetrachloroethene	ug/L	<0.50
Toluene	ug/L	<0.50
1,2,3-Trichlorobenzene	ug/L	<0.50
1,2,4-Trichlorobenzene	ug/L	<0.50
1,1,1-Trichloroethane	ug/L	<0.50
1,1,2-Trichloroethane	ug/L	<0.50
Trichloroethene	ug/L	<0.50
Trichlorofluoromethane	ug/L	<0.50
1,2,3-Trichloropropane	ug/L	<0.50
1,2,4-Trimethylbenzene	ug/L	<0.50
1,3,5-Trimethylbenzene	ug/L	<0.50
Vinyl chloride	ug/L	<0.50
o-Xylene	ug/L	<0.50
m- & p-Xylenes	ug/L	<0.50

**Environmental Sample Chain-of-Custody Record**

CLIENT: <u>Royal Farm</u>		TURN-AROUND TIME: <u>Standard</u>				Section to be completed by Laboratory		
Job Number: <u>05-056 RFO96</u>		Site: <u>10 Montgomery Dr.</u>				Initials: _____		
Sampler (s): <u>TOM RASZIN</u>						Temp: _____		
Sample ID	Date	Time	Comp	Grab	Matrix	Preserv. pH	# Bottles	Sample Storage:
<u>PL-10</u>	<u>9/15/11</u>	<u>0915</u>		<input checked="" type="checkbox"/>	<u>H<sub>2</sub>O</u>	<u>HCl</u>	<u>2</u>	VOA ONLY (Y or N)
								Air Bubbles (Y or N)
								pH
								TPH
								Chlorine Check
								Na2S2O3
								Comments: <u>1091603-01</u>

*VOA + BUBBLES + PH*

Relinquished By: _____	Date/Time: <u>9/16/11 0530</u>	Received by Laboratory: _____	Date/Time: <u>9/16/11 0830</u>
Relinquished By: _____	Date/Time: _____	Received by Laboratory: _____	Date/Time: _____
Report Results To: <u>trazin@ael-env.com</u>	Fax: _____	Report Results To: <u>j.stein@ael-env.com</u>	Fax: _____

*Temp - 8.4°C*

## Analytical Results

**Project:** 463 Mechanics Valley Rd

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/21/11 09:23

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-463  
**LAB SAMPLE ID:** 1091604-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

tert-Amyl alcohol (TAA)	ug/L	<10.0
tert-Amyl methyl ether (TAME)	ug/L	<0.50
Benzene	ug/L	<0.50
Bromobenzene	ug/L	<0.50
Bromochloromethane	ug/L	<0.50
Bromodichloromethane	ug/L	<b><u>3.42</u></b>
Bromoform	ug/L	<b><u>2.03</u></b>
Bromomethane	ug/L	<0.50
tert-Butanol (TBA)	ug/L	<b><u>18.7</u></b>
n-Butylbenzene	ug/L	<0.50
sec-Butylbenzene	ug/L	<0.50
tert-Butylbenzene	ug/L	<0.50
Carbon tetrachloride	ug/L	<0.50
Chlorobenzene	ug/L	<0.50
Chloroethane	ug/L	<0.50
Chloroform	ug/L	<b><u>26.2</u></b>
Chloromethane	ug/L	<b><u>0.54</u></b>
2- & 4-Chlorotoluene	ug/L	<0.50
Dibromochloromethane	ug/L	<b><u>2.28</u></b>
1,2-Dibromo-3-chloropropane	ug/L	<0.50
1,2-Dibromoethane (EDB)	ug/L	<0.50
Dibromomethane	ug/L	<0.50
1,2-Dichlorobenzene	ug/L	<0.50
1,3-Dichlorobenzene	ug/L	<0.50
1,4-Dichlorobenzene	ug/L	<0.50
Dichlorodifluoromethane	ug/L	<0.50
1,1-Dichloroethane	ug/L	<0.50
1,2-Dichloroethane	ug/L	<0.50
1,1-Dichloroethene	ug/L	<0.50
cis-1,2-Dichloroethene	ug/L	<0.50
trans-1,2-Dichloroethene	ug/L	<0.50
1,2-Dichloropropane	ug/L	<0.50
1,3-Dichloropropane	ug/L	<0.50
2,2-Dichloropropane	ug/L	<0.50
1,1-Dichloropropene	ug/L	<0.50
cis-1,3-Dichloropropene	ug/L	<0.50

## Analytical Results

**Project:** 463 Mechanics Valley Rd

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/21/11 09:23

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-463  
**LAB SAMPLE ID:** 1091604-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

trans-1,3-Dichloropropene	ug/L	<0.50
Diisopropyl ether (DIPE)	ug/L	<0.50
Ethyl tert-butyl ether (ETBE)	ug/L	<0.50
Ethylbenzene	ug/L	<0.50
Hexachlorobutadiene	ug/L	<0.50
Isopropylbenzene (Cumene)	ug/L	<0.50
4-Isopropyltoluene	ug/L	<0.50
Methyl tert-butyl ether (MTBE)	ug/L	<b>0.79</b>
Methylene chloride	ug/L	<0.50
Naphthalene	ug/L	<0.50
n-Propylbenzene	ug/L	<0.50
Styrene	ug/L	<0.50
1,1,1,2-Tetrachloroethane	ug/L	<0.50
1,1,2,2-Tetrachloroethane	ug/L	<0.50
Tetrachloroethene	ug/L	<0.50
Toluene	ug/L	<0.50
1,2,3-Trichlorobenzene	ug/L	<0.50
1,2,4-Trichlorobenzene	ug/L	<0.50
1,1,1-Trichloroethane	ug/L	<0.50
1,1,2-Trichloroethane	ug/L	<0.50
Trichloroethene	ug/L	<0.50
Trichlorofluoromethane	ug/L	<0.50
1,2,3-Trichloropropane	ug/L	<0.50
1,2,4-Trimethylbenzene	ug/L	<0.50
1,3,5-Trimethylbenzene	ug/L	<0.50
Vinyl chloride	ug/L	<0.50
o-Xylene	ug/L	<0.50
m- & p-Xylenes	ug/L	<0.50



# Environmental Sample Chain-of-Custody Record

CLIENT: Royal Farms		TURN-AROUND TIME: Standard		Analyses Requested		Section to be completed by Laboratory	
Job Number:	Site:	Comp	Grab	Matrix	Preserv. pH	# Bottles	Initials:
Sampler (s):	Date	Time	Time	Matrix	Preserv. pH	# Bottles	Temp: Y N
PW-463	9/15/11	1120		H <sub>2</sub> O	HCl	2	Custody seal: Y N
							Sample Storage:
							VOA ONLY
							Air Bubbles (Y or N)
							PH
							TPH
							Chlorine Check
							Na2S2O3
							Comments (Y or N)
							1091604-01

2/2/11  
 5/2/11  
 2/2/11  
 2/2/11

Relinquished By: *[Signature]* Date/Time: 9/16/11 8:30  
 Relinquished By: *[Signature]* Date/Time: 9/16/11 8:30  
 Received By: *[Signature]* Date/Time: 9/16/11 8:30  
 Received By Laboratory: *[Signature]* Date/Time: 9/16/11 8:30

Report Results To: truzher@ec-env.com  
 jstern@ec-env.com  
 Fax:

## Analytical Results

**Project: 475 Mechanics Valley Rd**

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/21/11 09:24

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-475  
**LAB SAMPLE ID:** 1091605-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

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

## Analytical Results

**Project:** 475 Mechanics Valley Rd

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/21/11 09:24

Jessup MD, 20794

<b>CLIENT SAMPLE ID:</b>	PW-475
<b>LAB SAMPLE ID:</b>	1091605-01
<b>SAMPLE DATE:</b>	09/15/11
<b>RECEIVED DATE:</b>	09/16/11
<b>MATRIX</b>	Units Water

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

trans-1,3-Dichloropropene	ug/L	<0.50
Diisopropyl ether (DIPE)	ug/L	<0.50
Ethyl tert-butyl ether (ETBE)	ug/L	<0.50
Ethylbenzene	ug/L	<0.50
Hexachlorobutadiene	ug/L	<0.50
Isopropylbenzene (Cumene)	ug/L	<0.50
4-Isopropyltoluene	ug/L	<0.50
Methyl tert-butyl ether (MTBE)	ug/L	<b><u>1.31</u></b>
Methylene chloride	ug/L	<0.50
Naphthalene	ug/L	<0.50
n-Propylbenzene	ug/L	<0.50
Styrene	ug/L	<0.50
1,1,1,2-Tetrachloroethane	ug/L	<0.50
1,1,2,2-Tetrachloroethane	ug/L	<0.50
Tetrachloroethene	ug/L	<0.50
Toluene	ug/L	<0.50
1,2,3-Trichlorobenzene	ug/L	<0.50
1,2,4-Trichlorobenzene	ug/L	<0.50
1,1,1-Trichloroethane	ug/L	<0.50
1,1,2-Trichloroethane	ug/L	<0.50
Trichloroethene	ug/L	<0.50
Trichlorofluoromethane	ug/L	<0.50
1,2,3-Trichloropropane	ug/L	<0.50
1,2,4-Trimethylbenzene	ug/L	<0.50
1,3,5-Trimethylbenzene	ug/L	<0.50
Vinyl chloride	ug/L	<0.50
o-Xylene	ug/L	<0.50
m- & p-Xylenes	ug/L	<0.50



## Analytical Results

**Project:** 487 Mechanics Valley Rd

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/21/11 09:25

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-487  
**LAB SAMPLE ID:** 1091606-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

tert-Amyl alcohol (TAA)	ug/L	<10.0
tert-Amyl methyl ether (TAME)	ug/L	<0.50
Benzene	ug/L	<0.50
Bromobenzene	ug/L	<0.50
Bromochloromethane	ug/L	<0.50
Bromodichloromethane	ug/L	<0.50
Bromoform	ug/L	<b><u>1.06</u></b>
Bromomethane	ug/L	<0.50
tert-Butanol (TBA)	ug/L	<10.0
n-Butylbenzene	ug/L	<0.50
sec-Butylbenzene	ug/L	<0.50
tert-Butylbenzene	ug/L	<0.50
Carbon tetrachloride	ug/L	<0.50
Chlorobenzene	ug/L	<0.50
Chloroethane	ug/L	<0.50
Chloroform	ug/L	<0.50
Chloromethane	ug/L	<0.50
2- & 4-Chlorotoluene	ug/L	<0.50
Dibromochloromethane	ug/L	<0.50
1,2-Dibromo-3-chloropropane	ug/L	<0.50
1,2-Dibromoethane (EDB)	ug/L	<0.50
Dibromomethane	ug/L	<0.50
1,2-Dichlorobenzene	ug/L	<0.50
1,3-Dichlorobenzene	ug/L	<0.50
1,4-Dichlorobenzene	ug/L	<0.50
Dichlorodifluoromethane	ug/L	<0.50
1,1-Dichloroethane	ug/L	<0.50
1,2-Dichloroethane	ug/L	<0.50
1,1-Dichloroethene	ug/L	<0.50
cis-1,2-Dichloroethene	ug/L	<0.50
trans-1,2-Dichloroethene	ug/L	<0.50
1,2-Dichloropropane	ug/L	<0.50
1,3-Dichloropropane	ug/L	<0.50
2,2-Dichloropropane	ug/L	<0.50
1,1-Dichloropropene	ug/L	<0.50
cis-1,3-Dichloropropene	ug/L	<0.50

## Analytical Results

**Project:** 487 Mechanics Valley Rd

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/21/11 09:25

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-487  
**LAB SAMPLE ID:** 1091606-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

trans-1,3-Dichloropropene	ug/L	<0.50
Diisopropyl ether (DIPE)	ug/L	<0.50
Ethyl tert-butyl ether (ETBE)	ug/L	<0.50
Ethylbenzene	ug/L	<0.50
Hexachlorobutadiene	ug/L	<0.50
Isopropylbenzene (Cumene)	ug/L	<0.50
4-Isopropyltoluene	ug/L	<0.50
Methyl tert-butyl ether (MTBE)	ug/L	<0.50
Methylene chloride	ug/L	<0.50
Naphthalene	ug/L	<0.50
n-Propylbenzene	ug/L	<0.50
Styrene	ug/L	<0.50
1,1,1,2-Tetrachloroethane	ug/L	<0.50
1,1,2,2-Tetrachloroethane	ug/L	<0.50
Tetrachloroethene	ug/L	<0.50
Toluene	ug/L	<0.50
1,2,3-Trichlorobenzene	ug/L	<0.50
1,2,4-Trichlorobenzene	ug/L	<0.50
1,1,1-Trichloroethane	ug/L	<0.50
1,1,2-Trichloroethane	ug/L	<0.50
Trichloroethene	ug/L	<0.50
Trichlorofluoromethane	ug/L	<0.50
1,2,3-Trichloropropane	ug/L	<0.50
1,2,4-Trimethylbenzene	ug/L	<0.50
1,3,5-Trimethylbenzene	ug/L	<0.50
Vinyl chloride	ug/L	<0.50
o-Xylene	ug/L	<0.50
m- & p-Xylenes	ug/L	<0.50



## Analytical Results

**Project:** 493 Mechanics Valley Rd

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/21/11 09:25

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-493  
**LAB SAMPLE ID:** 1091607-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

tert-Amyl alcohol (TAA)	ug/L	<10.0
tert-Amyl methyl ether (TAME)	ug/L	<0.50
Benzene	ug/L	<0.50
Bromobenzene	ug/L	<0.50
Bromochloromethane	ug/L	<0.50
Bromodichloromethane	ug/L	<0.50
Bromoform	ug/L	<0.50
Bromomethane	ug/L	<0.50
tert-Butanol (TBA)	ug/L	<10.0
n-Butylbenzene	ug/L	<0.50
sec-Butylbenzene	ug/L	<0.50
tert-Butylbenzene	ug/L	<0.50
Carbon tetrachloride	ug/L	<0.50
Chlorobenzene	ug/L	<0.50
Chloroethane	ug/L	<0.50
Chloroform	ug/L	<b>0.66</b>
Chloromethane	ug/L	<0.50
2- & 4-Chlorotoluene	ug/L	<0.50
Dibromochloromethane	ug/L	<0.50
1,2-Dibromo-3-chloropropane	ug/L	<0.50
1,2-Dibromoethane (EDB)	ug/L	<0.50
Dibromomethane	ug/L	<0.50
1,2-Dichlorobenzene	ug/L	<0.50
1,3-Dichlorobenzene	ug/L	<0.50
1,4-Dichlorobenzene	ug/L	<0.50
Dichlorodifluoromethane	ug/L	<0.50
1,1-Dichloroethane	ug/L	<0.50
1,2-Dichloroethane	ug/L	<0.50
1,1-Dichloroethene	ug/L	<0.50
cis-1,2-Dichloroethene	ug/L	<0.50
trans-1,2-Dichloroethene	ug/L	<0.50
1,2-Dichloropropane	ug/L	<0.50
1,3-Dichloropropane	ug/L	<0.50
2,2-Dichloropropane	ug/L	<0.50
1,1-Dichloropropene	ug/L	<0.50
cis-1,3-Dichloropropene	ug/L	<0.50



## Analytical Results

**Project:** 493 Mechanics Valley Rd

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/21/11 09:25

Jessup MD, 20794

<b>CLIENT SAMPLE ID:</b>	PW-493
<b>LAB SAMPLE ID:</b>	1091607-01
<b>SAMPLE DATE:</b>	09/15/11
<b>RECEIVED DATE:</b>	09/16/11
<b>MATRIX</b>	Units Water

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

trans-1,3-Dichloropropene	ug/L	<0.50
Diisopropyl ether (DIPE)	ug/L	<0.50
Ethyl tert-butyl ether (ETBE)	ug/L	<0.50
Ethylbenzene	ug/L	<0.50
Hexachlorobutadiene	ug/L	<0.50
Isopropylbenzene (Cumene)	ug/L	<0.50
4-Isopropyltoluene	ug/L	<0.50
Methyl tert-butyl ether (MTBE)	ug/L	<b>3.26</b>
Methylene chloride	ug/L	<0.50
Naphthalene	ug/L	<0.50
n-Propylbenzene	ug/L	<0.50
Styrene	ug/L	<0.50
1,1,1,2-Tetrachloroethane	ug/L	<0.50
1,1,2,2-Tetrachloroethane	ug/L	<0.50
Tetrachloroethene	ug/L	<0.50
Toluene	ug/L	<0.50
1,2,3-Trichlorobenzene	ug/L	<0.50
1,2,4-Trichlorobenzene	ug/L	<0.50
1,1,1-Trichloroethane	ug/L	<0.50
1,1,2-Trichloroethane	ug/L	<0.50
Trichloroethene	ug/L	<0.50
Trichlorofluoromethane	ug/L	<0.50
1,2,3-Trichloropropane	ug/L	<0.50
1,2,4-Trimethylbenzene	ug/L	<0.50
1,3,5-Trimethylbenzene	ug/L	<0.50
Vinyl chloride	ug/L	<0.50
o-Xylene	ug/L	<0.50
m- & p-Xylenes	ug/L	<0.50



## Analytical Results

**Project: 505 Mechanics Valley Rd**

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/22/11 14:04

Jessup MD, 20794

CLIENT SAMPLE ID:	PW-505 EFFLUENT	PW-505 MID2	PW-505 MID1	PW-505 INFLUENT
LAB SAMPLE ID:	1091608-01	1091608-02	1091608-03	1091608-04
SAMPLE DATE:	09/15/11	09/15/11	09/15/11	09/15/11
RECEIVED DATE:	09/16/11	09/16/11	09/16/11	09/16/11
MATRIX	Units Water	Water	Water	Water

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

Compound	Units	PW-505	PW-505 MID2	PW-505 MID1	PW-505
tert-Amyl alcohol (TAA)	ug/L	<10.0	<10.0	<10.0	<b>29.5</b>
tert-Amyl methyl ether (TAME)	ug/L	<0.50	<0.50	<0.50	<b>3.35</b>
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	<b>1.06</b>	<0.50
Bromomethane	ug/L	<0.50	<0.50	<0.50	<0.50
tert-Butanol (TBA)	ug/L	<10.0	<10.0	<b>15.4</b>	<b>19.5</b>
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	<0.50	<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 = Value is the result of a second analysis diluted x4.

## Analytical Results

**Project: 505 Mechanics Valley Rd**

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/22/11 14:04

Jessup MD, 20794

CLIENT SAMPLE ID:	PW-505 EFFLUENT	PW-505 MID2	PW-505 MID1	PW-505 INFLUENT
LAB SAMPLE ID:	1091608-01	1091608-02	1091608-03	1091608-04
SAMPLE DATE:	09/15/11	09/15/11	09/15/11	09/15/11
RECEIVED DATE:	09/16/11	09/16/11	09/16/11	09/16/11
MATRIX	Units Water	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	<0.50
Diisopropyl ether (DIPE)	ug/L	<0.50	<0.50	<0.50	<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	<b>5.60</b>	<0.50	<b>1.07</b>	<b>72.8 [1]</b>
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	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

1 = Value is the result of a second analysis diluted x4.

Environmental Sample Chain-of-Custody Record

CLIENT: Royal Farm		TURN-AROUND TIME: Standard		Analyses Requested		Section to be completed by Laboratory	
Job Number:	Site:	Comp	Grab	Matrix	Preserv. pH	# Bottles	Comments
RF-05-0567F096	SOS Mechanics Valley Rd.		X	H <sub>2</sub> O	HCl	2	1091608-01
Sampler (s): Tom Turner							
Sample ID	Date	Time					
PD-SOS Effluent	9/15/11	1440					
PD-SOS Midr		1442					02
PD-SOS Midr		1444					03
PD-SOS Inflow		1446					04

Relinquished By: *[Signature]* Date/Time: 9/16/11 0810

Relinquished By: *[Signature]* Date/Time: 9/16/11 830

Report Results To: [trustin@acc-env.com](mailto:trustin@acc-env.com)  
[jstein@acc-env.com](mailto:jstein@acc-env.com)

Fax:

## Analytical Results

**Project: 513 Mechanic Valley Rd**

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/20/11 14:30

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-513-IN  
**LAB SAMPLE ID:** 1091602-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

tert-Amyl alcohol (TAA)	ug/L	<b><u>32.3</u></b>
tert-Amyl methyl ether (TAME)	ug/L	<b><u>3.42</u></b>
Benzene	ug/L	<0.50
Bromobenzene	ug/L	<0.50
Bromochloromethane	ug/L	<0.50
Bromodichloromethane	ug/L	<0.50
Bromoform	ug/L	<0.50
Bromomethane	ug/L	<0.50
tert-Butanol (TBA)	ug/L	<b><u>19.3</u></b>
n-Butylbenzene	ug/L	<0.50
sec-Butylbenzene	ug/L	<0.50
tert-Butylbenzene	ug/L	<0.50
Carbon tetrachloride	ug/L	<0.50
Chlorobenzene	ug/L	<0.50
Chloroethane	ug/L	<0.50
Chloroform	ug/L	<0.50
Chloromethane	ug/L	<0.50
2- & 4-Chlorotoluene	ug/L	<0.50
Dibromochloromethane	ug/L	<0.50
1,2-Dibromo-3-chloropropane	ug/L	<0.50
1,2-Dibromoethane (EDB)	ug/L	<0.50
Dibromomethane	ug/L	<0.50
1,2-Dichlorobenzene	ug/L	<0.50
1,3-Dichlorobenzene	ug/L	<0.50
1,4-Dichlorobenzene	ug/L	<0.50
Dichlorodifluoromethane	ug/L	<0.50
1,1-Dichloroethane	ug/L	<0.50
1,2-Dichloroethane	ug/L	<0.50
1,1-Dichloroethene	ug/L	<0.50
cis-1,2-Dichloroethene	ug/L	<0.50
trans-1,2-Dichloroethene	ug/L	<0.50
1,2-Dichloropropane	ug/L	<0.50
1,3-Dichloropropane	ug/L	<0.50
2,2-Dichloropropane	ug/L	<0.50
1,1-Dichloropropene	ug/L	<0.50
cis-1,3-Dichloropropene	ug/L	<0.50

1 = Value is the result of second analysis diluted x4.

## Analytical Results

**Project: 513 Mechanic Valley Rd**

Project Number: 05-056RF096

Advantage Environmental Consultants, LLC

Project Manager: Tom Ruszin

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 09/20/11 14:30

Jessup MD, 20794

**CLIENT SAMPLE ID:** PW-513-IN  
**LAB SAMPLE ID:** 1091602-01  
**SAMPLE DATE:** 09/15/11  
**RECEIVED DATE:** 09/16/11  
**MATRIX** Units Water

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

trans-1,3-Dichloropropene	ug/L	<0.50
Diisopropyl ether (DIPE)	ug/L	<0.50
Ethyl tert-butyl ether (ETBE)	ug/L	<0.50
Ethylbenzene	ug/L	<0.50
Hexachlorobutadiene	ug/L	<0.50
Isopropylbenzene (Cumene)	ug/L	<0.50
4-Isopropyltoluene	ug/L	<0.50
Methyl tert-butyl ether (MTBE)	ug/L	<b>96.7 [1]</b>
Methylene chloride	ug/L	<0.50
Naphthalene	ug/L	<0.50
n-Propylbenzene	ug/L	<0.50
Styrene	ug/L	<0.50
1,1,1,2-Tetrachloroethane	ug/L	<0.50
1,1,2,2-Tetrachloroethane	ug/L	<0.50
Tetrachloroethene	ug/L	<0.50
Toluene	ug/L	<0.50
1,2,3-Trichlorobenzene	ug/L	<0.50
1,2,4-Trichlorobenzene	ug/L	<0.50
1,1,1-Trichloroethane	ug/L	<0.50
1,1,2-Trichloroethane	ug/L	<0.50
Trichloroethene	ug/L	<0.50
Trichlorofluoromethane	ug/L	<0.50
1,2,3-Trichloropropane	ug/L	<0.50
1,2,4-Trimethylbenzene	ug/L	<0.50
1,3,5-Trimethylbenzene	ug/L	<0.50
Vinyl chloride	ug/L	<0.50
o-Xylene	ug/L	<0.50
m- & p-Xylenes	ug/L	<0.50

Sample taken from bathroom sink. Owner had bypassed treatment system.

1 = Value is the result of second analysis diluted x4.

