

ROCKCASTLE SPRINGS

April 11, 2012

Climax, KY
Raw Water Analysis

Secondary Contaminants

<i>CasNumber:</i>	<i>Constituents:</i>	<i>Rockcastle Spring Results</i>	<i>Units</i>	<i>MCL:</i>
7429-90-5	Aluminum	.021	mg/L	0.05 to 0.2
	Bromide	ND	mg/L	.015
58-08-2	Caffeine	Not detected	mg/L	.053
16887-00-6	Chloride	2.0	mg/L	250
	Color	<5.0	Color Un	15 Color Units
7440-50-8	Copper	ND @ 0.001	mg/L	1.3
	Corrosivity	0.700	pH Units	NoCorrosive
16984-48-8	Fluoride	0.05	mg/L	2.0
	Foaming Agents	ND@0.100	mg/L	0.5
7439-89-6	Iron	.013	mg/L	0.3
7439-96-5	Manganese	ND @ 0.001	mg/L	0.05
	Odor	1.0	TON	3 TON
	pH	7.50	pH Units	6.5 - 8.5
7440-22-4	Silver	ND @ 0.002	mg/L	0.1
	Sulfate	5.6	mg/L	250
	Total Dissolved Solids (TDS)	62	mg/L	500
	Turbidity	.280	ntu	5
7440-66-6	Zinc	ND @ 0.007	mg/L	5

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Inorganic Compounds

<i>CasNumber:</i>	<i>Constituents:</i>	<i>Rockcastle Spring Results</i>	<i>Units</i>	<i>MCL:</i>
7440-36-0	Antimony	ND @ 0.00004	mg/L	0.006
7440-38-2	Arsenic	ND @ 0.002	mg/L	0.05
1332-21-4	Asbestos	NFD	MFL>10	7 MFL>10um
7440-39-3	Barium	.014	mg/L	2.0
7440-41-7	Beryllium	ND @ 0.00004	mg/L	0.004
7440-43-9	Cadmium	ND @ 0.001	mg/L	0.005
7440-47-3	Chromium	ND @ 0.001	mg/L	0.1
57-12-5	Cyanide (As free cyanide)	<0.010	mg/L	0.2
16984-48-8	Fluoride	0.05	mg/L	4.0
7439-97-6	Mercury	ND @ 0.00005	mg/L	0.002
7440-02-0	Nickle	ND @ 0.002	mg/L	0.1
	Nitrate (NO3)	1.6	mg/L	10 (as Nitrogen)
	Nitrite (NO2)	0.0007	mg/L	1 (as Nitrogen)
7782-49-2	Selenium	ND @ 0.002	mg/L	0.05
7440-28-0	Thallium	ND @ 0.00100	mg/L	0.002
	Total Nitrate and Nitrite	1.6007	mg/L	10 (as Nitrogen)

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Synthetic Organic Compounds

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1746-01-6	2,3,7,8-TCDD (Dioxin)	BDL	mg/L	3 X 10 ⁻⁸
93-72-1	2,4,5-TP (Silvex)	ND @ 0.00005	mg/L	0.05
94-75-7	2,4-D	ND @ 0.00010	mg/L	0.07
15972-60-8	Alachlor	ND @ 0.00004	mg/L	0.002
1646-88-4	Aldcarb Sulfoxide	BDL	mg/L	0.004
116-06-3	Aldicarb	BDL	mg/L	0.003
1646-88-4	Aldicarb Sulfone	BDL	mg/L	0.003
1912-24-9	Atrazine	ND @ 0.00004	mg/L	0.003
50-32-9	Benzo(a)pyrene	BDL	mg/L	0.0002
1563-66-2	Carbofuran	BDL	mg/L	0.04
57-74-9	Chlorodane	BDL	mg/L	0.002
75-99-0	Dalapon	ND @ 0.00100	mg/L	0.2
103-23-1	Di(2-Ethylhexyl)adipate	BDL	mg/L	0.4
117-81-7	Di(2-Ethylhexyl)phthalate	BDL	mg/L	0.006
96-12-8	Dibromochloropropane	ND @ 0.00050	mg/L	0.0002
88-85-7	Dinoseb	ND @ 0.00010	mg/L	0.007
85-00-7	Diquat	BDL	mg/L	0.02
145-73-3	Endothall	BDL	mg/L	0.1
72-20-8	Endrin	ND @ 0.00001	mg/L	0.002
106-93-4	Ethylene Dibromide (1,2 - Dibromoethan	ND @ 0.00050	mg/L	0.00005
1071-53-6	Glyphosate	BDL	mg/L	0.7
76-44-8	Heptachlor	ND @ 0.00001	mg/L	0.0004
1024-57-3	Heptachlor Epoxide	ND @ 0.00001	mg/L	0.0002
118-74-1	Hexachlorobenzene	ND @ 0.00001	mg/L	0.001
77-47-4	Hexachlorocyclopentadiene (1,2,3,4,5,5-	ND @ 0.00005	mg/L	0.05
58-89-9	Lindane (Hexachlorocyclohexane, gamm	ND @ 0.00001	mg/L	0.0002
72-43-5	Methoxychlor	ND @ 0.00001	mg/L	0.04
23135-22-0	Oxamyl (Vydate)	BDL	mg/L	0.2
87-86-5	Pentachlorophenol	ND @ 0.00005	mg/L	0.001
1918-02-1	Picloram	ND @ 0.00005	mg/L	0.5
1336-36-3	Polychlorinated Biphenyls (Aroclor 1254)	ND @ 0.00010	mg/L	0.0005
122-34-9	Simazine	ND @ 0.00004	mg/L	0.004
8001-35-2	Toxaphene	ND @ 0.00010	mg/L	0.003

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Lead and Copper

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7440-50-8	Copper	ND @ 0.001	mg/L	1.0
7439-92-1	Lead	ND @ 0.002	mg/L	0.015

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Volatile Organic Compounds

<i>CasNumber:</i>	<i>Constituents:</i>	<i>Rockcastle Spring Results</i>	<i>Units</i>	<i>MCL:</i>
95-50-1	0-Dichlorobenzene (1,2 - Dichlorobenzen	ND @ 0.00050	mg/L	0.6
71-55-6	1,1,1-Trichloroethane	ND @ 0.00050	mg/L	0.2
79-00-5	1,1,2-Trichloroethane	ND @ 0.00100	mg/L	0.005
75-35-4	1,1-Dichloroethene	ND @ 0.00050	mg/L	0.007
120-82-1	1,2,4-Trichlorobenzene	ND @ 0.00050	mg/L	0.07
107-06-2	1,2-Dichloroethane	ND @ 0.00050	mg/L	0.005
78-87-5	1,2-Dichloropropane	ND @ 0.00050	mg/L	0.005
71-43-2	Benzene	ND @ 0.00050	mg/L	0.005
56-23-5	Carbon Tetrachloride	ND @ 0.00050	mg/L	0.005
156-59-2	Cis-1,2-Dichloroethene	ND @ 0.00050	mg/L	0.07
75-09-2	Dichloromethane	ND @ 0.00050	mg/L	0.005
100-41-4	Ethylbenzene	ND @ 0.00050	mg/L	0.7
108-90-7	Monochlorobenzene (Chlorobenzene)	ND @ 0.00050	mg/L	0.1
106-46-7	Para-Dichlorobenzene (1,4 - Dichloroben	ND @ 0.00050	mg/L	0.075
100-42-5	Styrene	ND @ 0.00050	mg/L	0.1
127-18-4	Tetrachloroethene	ND @ 0.00050	mg/L	0.005
108-88-3	Toluene	ND @ 0.00050	mg/L	1
156-60-5	Trans-1,2-Dichloroethene	ND @ 0.00050	mg/L	0.1
79-01-6	Trichloroethene	ND @ 0.00050	mg/L	0.005
75-01-4	Vinyl Chloride	ND @ 0.00050	mg/L	0.002
1330-20-7	Xylenes (Total)	ND @ 0.00050	mg/L	10

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Climax, KY
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Unregulated Inorganic Compounds

<i>CasNumber:</i>	<i>Constituents:</i>	<i>Rockcastle Spring Results</i>	<i>Units</i>	<i>MCL:</i>
	Sulfate	5.6	mg/L	

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Unregulated Organic Compounds

<i>CasNumber:</i>	<i>Constituents:</i>	<i>Rockcastle Spring Results</i>	<i>Units</i>	<i>MCL:</i>
	3-Hydroxycarbofuran	BDL	mg/L	
309-00-2	Aldrin	ND @ 0.00001	mg/L	
23184-66-9	Butachlor	ND @ 0.00004	mg/L	
63-25-2	Carbaryl (Sevin) 1-naphthyl N-methylcar	BDL	mg/L	
1918-00-9	Dicamba	ND @ 0.00005	mg/L	
60-57-1	Dieldrin	ND @ 0.00001	mg/L	
16752-77-5	Methomyl	BDL	mg/L	
51218-45-2	Metolachlor	ND @ 0.00004	mg/L	
21087-64-9	Metribuzin	ND @ 0.00004	mg/L	
1918-16-7	Propachlor	ND @ 0.00004	mg/L	

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Unregulated Synthetic Organic Compounds

CasNumber:	Constituents:	Rockcastle Spring Results	Units	MCL:
106-43-4	0-Chlorotoluene (2 - Chlorotoluene)	BDL	mg/L	
630-20-6	1,1,1,2-Tetrachloroethane	ND @ 0.00050	mg/L	
79-34-5	1,1,2,2-Tetrachloroethane	ND @ 0.00050	mg/L	
75-34-3	1,1-Dichloroethane	ND @ 0.00050	mg/L	
563-58-6	1,1-Dichloropropene	ND @ 0.00050	mg/L	
87-61-6	1,2,3-Trichlorobenzene	ND @ 0.00050	mg/L	
96-18-4	1,2,3-Trichloropropane	ND @ 0.00050	mg/L	
95-63-6	1,2,4-Trimethylbenzene	ND @ 0.00050	mg/L	
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	ND @ 0.00050	mg/L	
108-67-8	1,3,5-Trimethylbenzene	ND @ 0.00050	mg/L	
142-28-9	1,3-Dichloropropane	ND @ 0.00050	mg/L	
10061-02-6	1,3-Dichloropropene	ND @ 0.00050	mg/L	
594-20-7	2,2-Dichloropropane	ND @ 0.00050	mg/L	
108-86-1	Bromobenzene	ND @ 0.00050	mg/L	
74-97-5	Bromochloromethane	ND @ 0.00050	mg/L	
75-27-4	Bromodichloromethane	ND @ 0.00050	mg/L	
75-25-2	Bromoform	ND @ 0.00050	mg/L	
74-83-9	Bromomethane	ND @ 0.00050	mg/L	
	Chlorodibromomethane	BDL	mg/L	
75-00-3	Chloroethane	ND @ 0.00050	mg/L	
67-66-3	Chloroform	ND @ 0.00050	mg/L	
74-95-3	Dibromomethane	ND @ 0.00050	mg/L	
75-71-8	Dichlorofluoromethane	ND @ 0.00050	mg/L	
106-93-4	Ethylene Dibromide (1,2 Dibromoethane)	BDL	mg/L	
75-69-4	Fluorotrichloromethane (Trichlorofluoromethane)	ND @ 0.00050	mg/L	
87-68-3	Hexachlorobutadiene	ND @ 0.00050	mg/L	
98-82-8	Isopropylbenzene (CUMENE)	ND @ 0.00050	mg/L	
541-73-1	M-Dichlorobenzene (1, 3 Dichlorobenzenes)	BDL	mg/L	
91-20-3	Naphthalene	ND @ 0.00050	mg/L	
104-51-8	N-Butylbenzene	ND @ 0.00050	mg/L	
103-65-1	N-Propylbenzene	ND @ 0.00050	mg/L	
106-43-4	P-Chlorotoluene (4 - Chlorotoluene)	BDL	mg/L	
	P-Isopropylbenzene (PCB Aroclor 1262)	BDL	mg/L	
135-98-8	Sec-Butylbenzene	ND @ 0.00050	mg/L	
98-06-6	Tert-Butylbenzene	ND @ 0.00050	mg/L	

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Radionuclides

<i>CasNumber:</i>	<i>Constituents:</i>	<i>Rockcastle Spring Results</i>	<i>Units</i>	<i>MCL:</i>
	Combined Radium - 226 and Radium -2	<1.7	pCi/L	5
	Gross Alpha Particle Activity (Including	<.8	pCi/L	15
7440-24-6	Strontium -90	0.00 +- 0.4	pCi/L	8
10028-17-8	Tritium (H-3)	<153	pCi/L	20,000

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Microorganisms

<i>CasNumber:</i>	<i>Constituents:</i>	<i>Rockcastle Spring Results</i>	<i>Units</i>	<i>MCL:</i>
	Total Coliform	A	P/A	