

**City of Urbana**

<b>Organic Compounds</b> <b>VOC</b>	<b>EP 003 PW Supply</b>					
	<b>Date</b>		<b>1/4/2016</b>	<b>4/4/16</b>	<b>7/11/2016</b>	<b>10/17/2016</b>
	<b>Unit</b>	<b>MCL</b>	<b>1 Qrt.</b>	<b>2 Qrt</b>	<b>3 Qrt</b>	<b>4 Qrt.</b>
1,1,1- Trichloroethane	ppb	200	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachlorethylene	ppb	5	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethylene	ppb	5	< 0.50	< 0.50	< 0.50	< 0.50

<b>Organic Compounds</b> <b>THM's</b> <b>Wells #10 #11 #12</b>	<b>DS202 / 1840 E US Hwy 36</b>					
	<b>Date</b>				<b>7/18/2016</b>	
	<b>Unit</b>	<b>MCL</b>	<b>1 Qrt.</b>	<b>2Qrt.</b>	<b>3 Qrt.</b>	<b>4 Qrt.</b>
Bromodichloromethane	ppb	n/a			5.48	
Bromoform	ppb	n/a			0.93	
Chloroform	ppb	n/a			6.08	
Dibromochoromethane	ppb	n/a			3.83	
Total THMs	ppb	80			16.3	

<b>Haloacetic Acids ( HAA5 )</b> <b>Wells #10 #11 #12</b>	<b>DS202 / 1840 E US Hwy 36</b>					
	<b>Date</b>				<b>7/18/2016</b>	
	<b>Unit</b>	<b>MCL</b>	<b>1 Qrt.</b>	<b>2Qrt.</b>	<b>3 Qrt.</b>	<b>4 Qrt.</b>
Dibromoacetic Acid	ug/L				1.1	
Dichloroacetic Acid	ug/L				2.3	
Monobromoacetic Acid	ug/L				< 1.0	
Monochloroacetic Acid	ug/L				< 2.0	
Trichloroacetic Acid	ug/L				< 1.0	
Total HAA5 's	ug/L	60			< 6.0	

<b>NITRATE</b>	<b>EP 003 PW #10 #11 #12</b>					
	<b>Date</b>		<b>1/13/2014</b>	<b>1/12/2015</b>	<b>1/4/2016</b>	
	<b>Unit</b>	<b>MCL</b>				
Nitrate	mg/L	10	<b>2.2</b>	<b>1.95</b>	<b>2.6</b>	
Nitrite	mg/L	1	< 0.10	< 0.10	< 0.1	

<b>IOC</b>						
	<b>Date</b>		<b>3/18/2009</b>	<b>2/16/2011</b>	<b>1/27/2014</b>	
	<b>Unit</b>	<b>MCL</b>				
Antimony	ug/L	6	< 3	< 3	< 4	
Arsenic	ug/L	10	< 3	< 3.00	< 3	
Barium	ug/L	2000	190	180	152	
Beryllium	ug/L	4	< 0.5	< 0.50	< 1	
Cadmium	ug/L	5	< 0.5	< 0.50	< 1	
Chromium	ug/L	100	< 10	< 10	< 5.0	
Cyanide	ug/L	200	< 5	< 5.0	< 10.0	

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Fluoride	mg/L	4	0.31	0.321	0.26	
Mercury	ug/L	2	< 0.2	< 0.2	< 0.2	
Nickel	ug/L	100	< 10	< 10	< 10.0	
Selenium	ug/L	50	< 3	< 3.00	< 5.0	
Thallium	ug/L	2	< 1	< 1.00	< 1.5	

<b>UCMR3</b>		<b>Date</b>		<b>1/18/2013</b>	<b>7/17/2013</b>	
	<b>Unit</b>	<b>MCL</b>	<b>Round 1</b>	<b>Round 2</b>		
Chlorate	ug/l	NA	169	255		
Molybdenum	ug/l	NA	1.56	1.4		
Strontium	ug/l	NA	459	380		
Chromium Hex	ug/l	NA	0.062	< 0.03		

<b>SOC</b>		<b>Date</b>		<b>2/16/2011</b>	<b>4/20/2011</b>	<b>4/18/2012</b>	<b>1/27/2014</b>
	<b>Unit</b>	<b>MCL</b>					
Alachlor	ug/L	2	< 0.05				< 0.2
Atrazine	ug/L	3	< 0.10				< 0.3
Simazine	ug/L	4	<0.050				< 0.35
Adapate	ug/L	400					
Phthalate	ug/L	6					
Diquat	ug/L	20				< 0.4	
Glyphosate	ug/L	700				< 6.0	
Lindane	ug/L	0.2				< 0.022	
Methoxychlor	ug/L	40				< 0.1	
PCB's	ug/L	0.5				< 0.11	
Carbofuran	ug/L	40					
2,4 D	ug/L	70					
Oxaml	ug/L	200					
Pentachlor	ug/L	1					
Picloram	ug/L	500					
Benzo(a)pyrene	ug/L	0.2			< 0.018		
Bis(2-ethylhexy)adipate	ug/L	400			< 0.51		
Bis(2-ethylhexy)phthalate	ug/L	6			< 0.51		
Endothall	ug/L	100			< 9.0		

<b>RADIOLOGICAL</b>		<b>Date</b>		<b>4/15/2009</b>	<b>7/15/2009</b>	<b>1/14/2013</b>	<b>1/4/2016</b>
	<b>Unit</b>	<b>MCL</b>					
Alpha, Total	pci/l	15	< 3	< 3	< 3	< 3	< 3
Radium-228	pci/l	5	< 1	< 1	1.25	< 1	< 1

<b>Hardness</b>		<b>Date</b>		<b>10/22/2012</b>	<b>6/17/2013</b>	<b>3/14/2016</b>
	<b>Unit</b>					
	mg/l		442	405	419	

## VOC WELL 8

Organic Compounds			EP 002 PW # 8			
VOC	Date		1/10/2016	4/4/2016		10/17/2016
	Unit	MCL	1 Qrt.	2Qrt.	3 Qrt.	4 Qrt.
			RAW	RAW	RAW	RAW
1,1,1- Trichloroethane	ppb	200	< 0.5	< 0.5		< 0.5
Tetrachlorethylene	ppb	5	1.63	1.34		2.53
Trichloroethylene	ppb	5	< 0.5	< 0.5		< 0.5

## VOC WELL 9

Organic Compounds	EP 002 PW # 9					
VOC	Date		1/4/2016	4/18/2016	7/18/2016	11/7/2016
	Unit	MCL	1 Qrt.	2Qrt.	3 Qrt.	4 Qrt.
			<b>RAW</b>	<b>RAW</b>	<b>RAW</b>	<b>RAW</b>
1,1,1- Trichloroethane	ppb	200	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachlorethylene	ppb	5	0.69	0.55	2.64	1.19
Trichloroethylene	ppb	5	< 0.5	< 0.5	< 0.5	< 0.5

**EP 002 ANALYSIS**

<b>Organic Compounds</b>	<b>EP 002 PW Supply</b>					
<b>VOC</b>	<b>Date</b>		<b>1/10/2016</b>	<b>4/4/2016</b>	<b>7/11/2016</b>	<b>10/17/2016</b>
	<b>Unit</b>	<b>MCL</b>	<b>1 Qrt.</b>	<b>2 Qrt</b>	<b>3 Qrt.</b>	<b>4 Qrt</b>
1,1,1- Trichloroethane	ppb	200	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachlorethylene	ppb	5	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethylene	ppb	5	< 0.50	< 0.50	< 0.50	< 0.50

<b>Organic Compounds</b>	<b>DS201 / 1579 E. SR. 29</b>					
<b>THM's Wells 8 &amp; 9</b>	<b>Date</b>				<b>7/18/2016</b>	
	<b>Unit</b>	<b>MCL</b>	<b>1 Qrt.</b>	<b>2Qrt.</b>	<b>3 Qrt.</b>	<b>4 Qrt.</b>
Bromodichloromethane	ppb	n/a			4.49	
Bromoform	ppb	n/a			0.62	
Chloroform	ppb	n/a			16	
Dibromochloromethane	ppb	n/a			2.66	
Total THMs	ppb	80			23.8	

<b>Haloacetic Acids ( HAA5 )</b>	<b>DS201 / 1579 E. SR. 29</b>					
<b>Wells 8 &amp; 9</b>	<b>Date</b>				<b>7/18/2016</b>	
	<b>Unit</b>	<b>MCL</b>	<b>1 Qrt.</b>	<b>2Qrt.</b>	<b>3 Qrt.</b>	<b>3 Qrt.</b>
Dibromoacetic Acid	ug/L				< 1.0	
Dichloroacetic Acid	ug/L				3.4	
Monobromoacetic Acid	ug/L				< 1.0	
Monochloroacetic Acid	ug/L				< 2.0	
Trichloroacetic Acid	ug/L				1	
Total HAA5 's	ug/L	60			< 6.0	

<b>NITRATE</b>	<b>EP 002 PW # 8 &amp; # 9</b>					
<b>Nitrite NITRATE</b>	<b>Date</b>		<b>7/8/2013</b>	<b>8/4/2014</b>	<b>8/17/2015</b>	<b>7/11/2016</b>
	<b>Unit</b>	<b>MCL</b>				
	<b>mg/l</b>	<b>1</b>	< 0.1	< 0.1	< 0.10	< 0.1
	<b>mg/L</b>	<b>10</b>	2.4	2.75	2.6	2.85

<b>IOC</b>						
	<b>Date</b>		<b>2/20/2008</b>	<b>2/16/2011</b>	<b>1/27/2014</b>	
	<b>Unit</b>	<b>MCL</b>				
Antimony	ug/L	6	< 3.0	< 3.00	< 4.0	
Arsenic	ug/L	10	< 3.0	< 3.00	< 3.0	
Barium	ug/L	2000	140	110	107	
Beryllium	ug/L	4	< 0.5	< 0.50	< 1.0	
Cadmium	ug/L	5	< 0.2	< 0.50	< 1.0	
Chromium	ug/L	100	< 5.0	< 10	< 5.0	
Cyanide	ug/L	200	< 10.0	< 5.0	< 10.0	
Fluoride	mg/l	4	0.22	0.295	0.21	
Mercury	ug/L	2	< 0.2	< 0.2	< 0.2	
Nickel	ug/L	100	< 5.0	< 10	< 10.0	
Selenium	ug/L	50	< 5.0	< 3.00	< 5.0	
Thallium	ug/L	2	< 1.0	< 1.00	< 1.5	

**EP 002 ANALYSIS**

<b>UCMR3</b>					
	<b>Date</b>		<b>1/18/2013</b>	<b>7/17/2013</b>	
	<b>Unit</b>	<b>MCL</b>	<b>Round 1</b>	<b>Round 2</b>	
Chlorate	ug/l	NA	68	67.4	
Molybdenum	ug/l	NA	4.94	5.5	
Strontium	ug/l	NA	277	240	
Vanadium	ug/l	NA	< 0.2	0.35	

<b>SOC</b>					
	<b>Date</b>		<b>4/11/2016</b>	<b>1/27/2014</b>	<b>4/20/2015</b>
	<b>Unit</b>	<b>MCL</b>			
Alachlor	ug/L	2		< 0.2	
Atrazine	ug/L	3		< 0.3	
Simazine	ug/L	4		< 0.35	
Adapate	ug/L	400			
Phthalate	ug/L	6			
Diquat	ug/L	20			< 2.0
Glyphosate	ug/L	700			< 30
Lindane	ug/L	0.2			< 0.1
Methoxychlor	ug/L	40			< 0.1
PCB's	ug/L	0.5			< 0.1
Carbofuran	ug/L	40	< 0.9		
2,4 D	ug/L	70	< 1.0		
Oxaml	ug/L	200	< 2.0		
Pentachlor	ug/L	1	< 0.4		
Picloram	ug/L	500	< 1.0		
Benzo(a)pyrene	ug/L	0.2			
Bis(2-ethylhexy)adipate	ug/L	400			
Bis(2-ethylhexy)phthalate	ug/L	6			
Endothall	ug/L	100			

<b>RADIOLOGICAL</b>	<b>Date</b>		<b>3/3/2008</b>	<b>1/27/2014</b>	
	<b>Unit</b>	<b>MCL</b>			
	Alpha, Total	pci/l	15	< 3.00	< 3.0
Radium-228	pci/l	5	< 1.00	< 1.0	

<b>Hardness</b>	<b>Date</b>		<b>8/1/2011</b>	<b>10/22/2012</b>	<b>6/24/2013</b>	<b>11/7/2016</b>
	<b>Unit</b>					
	<b>mg/l</b>					
			298	342	320	339



## UCMR ANALYSIS

Organic Compounds THM's 205 S. Main	DS 204					
	Date		1/6/2014	4/4/2014	7/1/2014	
	Unit	MCL	1 Qrt.	2Qrt.	3 Qrt.	4 Qrt.
Bromodichloromethane	ppb	n/a	0.7	0.76	1.7	
Bromoform	ppb	n/a	< 0.5	< 0.5	0.65	
Chloroform	ppb	n/a	0.8	0.96	1.8	
Dibromochoromethane	ppb	n/a	0.8	0.77	1.9	
Total THMs	ppb	80	2.3	2.5	6.1	

Haloacetic Acids ( HAA5 ) 205 S. Main	DS 204					
	Date		1/6/2014	4/4/14	7/1/2014	
	Unit	MCL	1 Qrt.	2Qrt.	3 Qrt.	4 Qrt.
Dibromoacetic Acid	ug/L		< 1.0	< 1.0	1.1	
Dichloroacetic Acid	ug/L		< 1.0	< 1.0	< 1	
Monobromoacetic Acid	ug/L		< 1.0	< 1.0	< 1	
Monochloroacetic Acid	ug/L		< 2.0	< 2.0	< 2	
Trichloroacetic Acid	ug/L		< 1.0	< 1.0	< 1	
Bromochloroacetic acid	ug/L					
Total HAA5 's	ug/L	60	< 6.0	< 6.0	< 6	

Organic Compounds THM's 711 Wood St.	DS 203					
	Date		1/6/2014	4/4/2014	7/1/2014	
	Unit	MCL	1 Qrt.	2Qrt.	3 Qrt.	4 Qrt.
Bromodichloromethane	ppb	n/a	1.2	0.56	3.5	
Bromoform	ppb	n/a	0.8	< 0.5	0.74	
Chloroform	ppb	n/a	1	1.2	3	
Dibromochoromethane	ppb	n/a	1.6	0.83	3	
Total THMs	ppb	80	4.6	2.6	10.3	

Haloacetic Acids ( HAA5 ) 711 Wood St.	DS 203					
	Date		1/6/2014	4/4/14	7/1/2014	
	Unit	MCL	1 Qrt.	2Qrt.	3 Qrt.	4 Qrt.
Dibromoacetic Acid	ug/L		< 1.0	< 1.0	1.5	
Dichloroacetic Acid	ug/L		< 1.0	< 1.0	2	
Monobromoacetic Acid	ug/L		< 1.0	< 1.0	< 1.0	
Monochloroacetic Acid	ug/L		< 2.0	< 2.0	< 2.0	
Trichloroacetic Acid	ug/L		<1.0	<1.0	< 1	
Bromochloroacetic acid	ug/L					
Total HAA5 's	ug/L	60	< 6.0	< 6.0	< 6.0	



## UCMR ANALYSIS

IOC	1579 SR 29 East			
	Date		1/18/2013	7/17/2013
MR001	Unit	MCL	1st Round	2nd Round
Chlorate	ug/L	NA	327	214
Molybdenum, Total	ug/L	NA	3.52	4.5
Strontium, Total	ug/L	NA	5.78	1.8
Chromium Hex	ug/L	NA	< 0.03	0.037
Vanadium	ug/L	NA	< 0.2	0.29
	ug/L			
	ug/L			
	mg/L			
	ug/L			
	ug/L			
	ug/L			
	ug/L			

