



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

**ANGUS
WELL SUPPLY SYSTEM**

ONTARIO REGULATION 170/03

Section 11

ANNUAL REPORT

For the Period of

January 1, 2009 to December 31, 2009

Prepared for The Corporation of the Township of Essa

By the Ontario Clean Water Agency

**Part III Form 2
Section 11. ANNUAL REPORT.**

Drinking-Water System Number:	260001026
Drinking-Water System Name:	Angus Well Supply System
Drinking-Water System Owner:	The Corporation of the Township of Essa
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2009 – December 31, 2009

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [] No [X]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No []</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Township of Essa Municipal Office 5786 Simcoe County Road 21 Utopia, Essa Twp, ON. L0M 1T0 </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> </p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; width: 80px; height: 20px; margin: 5px 0;"></div></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p>
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Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
Not applicable	Not applicable

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?
 Yes [] No [NA]

Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web
 Public access/notice via Government Office
 Public access/notice via a newspaper
 Public access/notice via Public Request
 Public access/notice via a Public Library
 Public access/notice via other method

Describe your Drinking-Water System

The Angus Well Supply System, Treatment and Storage Works serving the Town of Angus includes the Mill Street Water Treatment Plant, McGeorge Water Treatment Plant and Brownley Water Treatment Plant. These facilities supply water through a common distribution system.

McGeorge Water Treatment Plant

The McGeorge Water Treatment Plant is located on Essa Side Road 30. Raw Water is supplied from two 203 mm diameter drilled groundwater wells (Well #1 and Well #2) capable of providing up to 2627 m³/day potable water. As groundwater flows out of the (artesian) wells, pumps are automatically activated to add sodium silicate (for iron sequestering) and sodium hypochlorite (for disinfection). Treated water is stored in two underground reservoirs with capacities of 95 m³ and 157 m³ respectively. On-line monitoring equipment continuously monitors chlorine residual, turbidity and flow rates. Flow and process data is recorded on an SM1000 data logger. The recorded data is down loaded periodically and stored on the main server. The system is alarmed for a number of parameters and monitored by Huronia Alarms, Midland, Ontario. This pumphouse is equipped with a 64 kW diesel generator and auto switch over to provide stand by power in the event of a power failure.

Mill Street Water Treatment Plant

The Mill Street Water Treatment Plant is located at 28 Mill Street in the Town of Angus. Raw Water is supplied from one 610 mm diameter drilled groundwater well (Well #3) that can provide up to 3927 m³/day of a good quality potable water. As groundwater is pumped from the well; chemical feed pumps are automatically activated to add sodium silicate (for iron sequestering) and sodium hypochlorite (for disinfection). Treated water is stored in two underground reservoirs, with a capacity of 2500 m³ and 902 m³ respectively. Flow is measured before entering the reservoir and as the treated water enters the distribution system. On-line monitoring equipment continuously monitors chlorine residual, turbidity and flow rates. Flow and process data is recorded on an SM1000 data logger. The recorded data is down loaded periodically and stored on the main server at the Ontario Clean Water Agency office in Wasaga Beach. The system is alarmed for a number of parameters and monitored by Huronia Alarms, Midland, Ontario. This pumphouse is equipped with a 400 kW diesel generator and auto switch over to provide stand by power in the event of a power failure.

Special Note: The Mill Street Water Treatment Plant received the daily difference (100 m3 minus Baxter Water System daily water taking) from the Collingwood to Alliston treated water transmission main (pipeline) in 2009. The Raymond A. Barker Ultrafiltration Plant (RAB) in Collingwood supplies safe drinking water through the pipeline to the Baxter and Mill Street facilities. Collingwood water sample results can be found in the Collingwood Drinking Water System 2009 Annual Compliance Report located on the following website: www.collus.com

Brownley Water Treatment Plant

The Brownley Water Treatment Plant is located on 5th Line just north of Willoughby Road. Raw Water is supplied from two 200 mm and one 150 mm diameter drilled groundwater wells (Well #4, Well #5 and Well #6) capable of providing up to 4251 m3/day potable water. Primary disinfection consists of two UV systems (duty and standby) complete with UV intensity sensor and automatic switchover from duty to standby and lockout of pumps on system failure. As treated water flows out of the UV system, pumps are automatically activated to add sodium silicate (for iron sequestering) and sodium hypochlorite (for disinfection). On-line monitoring equipment continuously monitors chlorine residual, turbidity and flow rates. This pumphouse is equipped with a 400 kW diesel generator and auto switch over to provide stand by power in the event of a power failure.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite 12% Solution NSF, Disinfection
Sodium Silicate, Iron Sequestering, NSF

Were any significant expenses incurred to?

- Install required equipment
 Repair required equipment
 Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Expenses incurred which were in addition to normal operating costs:

1. Drinking Water Quality Management System Operational Plan
2. Community Lead Testing Program
3. Refurbished Well #1 at McGeorge WTP
4. Swabbed selected watermains
5. Purchased locate wands
6. Replaced Hydrant Flags
7. Painted hydrants
8. Emergency repair of water meter

Drinking-Water Systems Regulation O. Reg. 170/03

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
February 10, 2009 (Sample Date) AWQI # 86713	Lead on Distribution Water Sample (Received result on February 20, 2009)	20.60	ug/L	Oral and Written Notification and Resample	February 24, 2009
April 22, 2009 (Sample Date) AWQI # 87878	Sodium on Brownley Treated Water (Received result on May 1, 2009)	20.3	mg/L	Oral and Written Notification and Resample	May 4, 2009

Microbiological testing done under the Schedule 10 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
RW1 - Raw Water Well #1 McGeorge	Refer to attached Appendix A				
RW2 - Raw Water Well #2 McGeorge					
RW3 - Raw Water Well #3 Mill					
RW4 - Raw Water Well #4 Brownley					
RW5 - Raw Water Well #5 Brownley					
RW6 - Raw Water Well #6 Brownley					
TW1 - Treated Water McGeorge					
TW2 - Treated Water Mill					
TW3 - Treated Water Brownley					
DW - Distribution Water					

Operational testing done under Schedule 7 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)
Raw Turbidity		
McGeorge Well #1	10	0.15 – 0.58 NTU
McGeorge Well #2	12	0.13 – 0.58 NTU
Mill St. Well #3	12	0.10 – 1.08 NTU
Brownley Well #4	158	0.03 – 24.00 NTU
Brownley Well #5	158	0.02 – 4.39 NTU
Brownley Well #6	141	0.03 – 18.67 NTU
Treated Turbidity		
McGeorge	8760	0.01 – 1.02 NTU
Mill St.	8760	0.02 – 2.55 NTU
Brownley	8760	0.00 – 2.00 NTU
Treated Free Chlorine Residual		
McGeorge	8760	0.00 – 4.59 mg/L *
Mill St.	8760	0.37 – 3.33 mg/L *
Brownley	8760	0.00 – 5.00 mg/L *
Free Chlorine Residual Distribution System	386	0.55 – 2.20 mg/L
Fluoride (If the DWS provides fluoridation)	NA	NA

NOTE: For continuous monitors use 8760 as the number of samples.

*** Chlorine residuals of 0.0 and > 5.0 due to system maintenance and / or power interruptions and does not indicate an adverse situation.**

*NOTE: Record the unit of measure if it is **not** milligrams per litre.*

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
No Additional Testing and or Sampling Required				

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	Refer to attached Appendix A			
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
*Lead				
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	36	0.15 – 4.42 ug/L	0
Distribution	16	0.10 – 20.60 ug/L	1

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	Refer to attached Appendix A			
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				

Carbon Tetrachloride
Chlordane (Total)
Chlorpyrifos
Cyanazine
Diazinon
Dicamba
1,2-Dichlorobenzene
1,4-Dichlorobenzene
Dichlorodiphenyltrichloroethane (DDT) + metabolites
1,2-Dichloroethane
1,1-Dichloroethylene (vinylidene chloride)
Dichloromethane
2,4 Dichlorophenol
2,4-Dichlorophenoxy acetic acid (2,4-D)
Diclofop-methyl
Dimethoate
Dinoseb
Diquat
Diuron
Glyphosate
Heptachlor + Heptachlor Epoxide
Lindane (Total)
Malathion
Methoxychlor
Metolachlor
Metribuzin
Monochlorobenzene
Paraquat
Parathion
Pentachlorophenol
Phorate
Picloram
Polychlorinated Biphenyls(PCB)
Prometryne
Simazine
THM (NOTE: show latest annual average)
Temephos
Terbufos
Tetrachloroethylene
2,3,4,6-Tetrachlorophenol
Triallate
Trichloroethylene
2,4,6-Trichlorophenol
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)
Trifluralin
Vinyl Chloride

Refer to attached Appendix A

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample
No Parameters exceeded half the standard prescribed in Schedule 2 for the Angus Well Supply System			

(Only if DWS category is large municipal residential, small municipal residential, large municipal non residential, non municipal year round residential, large non municipal non residential)

APPENDIX A

ANNUAL SUMMARY (Microbiological, Inorganic & Organic)

Location:

RW1 – Raw Water Well #1 McGeorge
RW2 – Raw Water Well #2 McGeorge
RW3 – Raw Water Well #3 Mill
RW4 – Raw Water Well #4 Brownley
RW5 – Raw Water Well #5 Brownley
RW6 – Raw Water Well #6 Brownley

TW1 – Treated Water McGeorge
TW2 – Treated Water Mill
TW3 – Treated Water Brownley

DW – Distribution Water

ANNUAL REPORT - Microbiological, Inorganic & Organic

Waterworks: 6065 - [260001026] Essa (Angus) Water Well & Distribution System
 Period being reported: 01/01/2009 to 12/31/2009

Microbiological testing done under Schedule 10, 11 or 12 of Regulation 170/03 during this reporting Period

Location	Number of Samples	Range of E.Coli or Fecal Results (min #) - (max #)	Range of Total Coliform Results (min #) - (max #)	Number of HPC Samples	Range of HPC Results (min #) - (max #)	Number of Background Samples	Range of Background Results (min #) - (max #)
Raw - RW1	40	0 - 0	0 - 0		-		-
Raw - RW2	52	0 - 0	0 - 0		-		-
Raw - RW3	52	0 - 0	0 - 1		-		-
Raw - RW4	38	0 - 0	0 - 0		-		-
Raw - RW5	37	0 - 0	0 - 0		-		-
Raw - RW6	34	0 - 0	0 - 29		-		-
Treated - TW1	52	0 - 0	0 - 0	52	0 - 86		-
Treated - TW2	52	0 - 0	0 - 0	52	0 - 8		-
Treated - TW3	27	0 - 0	0 - 0	27	0 - 560		-
Distribution - DW	209	0 - 0	0 - 0	53	0 - 640		-

ANNUAL REPORT - Microbiological, Inorganic & Organic

Waterworks: 6065 - [260001026] Essa (Angus) Water Well & Distribution System
 Period being reported: 01/01/2009 to 12/31/2009

Summary of Inorganic parameters tested during this reporting period or most recent

Parameter	Sample Date	Result Value	Exceedance
Antimony: Sb (ug/L) - TW1	2009/01/07	< 0.020	No
Antimony: Sb (ug/L) - TW2	2009/01/07	< 0.020	No
Antimony: Sb (ug/L) - TW3	2009/04/22	0.25	No
Arsenic: As (ug/L) - TW1	2009/01/07	0.50	No
Arsenic: As (ug/L) - TW2	2009/01/07	0.90	No
Arsenic: As (ug/L) - TW3	2009/04/22	0.70	No
Barium: Ba (ug/L) - TW1	2009/01/07	88.10	No
Barium: Ba (ug/L) - TW2	2009/01/07	146.00	No
Barium: Ba (ug/L) - TW3	2009/04/22	82.90	No
Boron: B (ug/L) - TW1	2009/01/07	26.30	No
Boron: B (ug/L) - TW2	2009/01/07	30.80	No
Boron: B (ug/L) - TW3	2009/04/22	24.50	No
Cadmium: Cd (ug/L) - TW1	2009/01/07	< 0.0030	No
Cadmium: Cd (ug/L) - TW2	2009/01/07	< 0.0030	No
Cadmium: Cd (ug/L) - TW3	2009/04/22	< 0.0030	No
Chromium: Cr (ug/L) - TW1	2009/01/07	< 0.50	No
Chromium: Cr (ug/L) - TW2	2009/01/07	0.60	No
Chromium: Cr (ug/L) - TW3	2009/04/22	0.70	No
Lead: Pb (ug/L)	2007/06/07	0.55	No
Mercury: Hg (ug/L) - TW1	2009/01/07	< 0.020	No
Mercury: Hg (ug/L) - TW2	2009/01/07	< 0.020	No
Mercury: Hg (ug/L) - TW3	2009/04/22	< 0.020	No
Selenium: Se (ug/L) - TW1	2009/01/07	< 1.00	No
Selenium: Se (ug/L) - TW2	2009/01/07	< 1.00	No
Selenium: Se (ug/L) - TW3	2009/04/22	< 1.00	No
Sodium: Na (mg/L) - TW1	2008/07/08	16.20	No
Sodium: Na (mg/L) - TW2	2008/07/08	19.30	No
Sodium: Na (mg/L) - TW3	2009/05/04	15.20	No
Uranium: U (ug/L) - TW1	2009/01/07	0.022	No
Uranium: U (ug/L) - TW2	2009/01/07	0.094	No
Uranium: U (ug/L) - TW3	2009/04/22	0.083	No
Fluoride Residual: Mean (mg/L) - TW1	2008/07/08	0.10	No
Fluoride Residual: Mean (mg/L) - TW2	2008/07/08	0.090	No
Fluoride Residual: Mean (mg/L) - TW3	2009/04/22	0.14	No
Nitrite (mg/L) - TW1	2009/01/07	0.0050	No
Nitrite (mg/L) - TW1	2009/04/14	0.0050	No
Nitrite (mg/L) - TW1	2009/07/21	0.0050	No
Nitrite (mg/L) - TW1	2009/10/06	0.0050	No
Nitrite (mg/L) - TW2	2009/01/07	0.0050	No
Nitrite (mg/L) - TW2	2009/04/16	0.0050	No
Nitrite (mg/L) - TW2	2009/07/21	0.0050	No
Nitrite (mg/L) - TW2	2009/10/06	0.0050	No
Nitrite (mg/L) - TW3	2009/04/22	0.0050	No
Nitrite (mg/L) - TW3	2009/07/21	0.0050	No
Nitrite (mg/L) - TW3	2009/10/06	0.0050	No

ANNUAL REPORT - Microbiological, Inorganic & Organic

Waterworks: 6065 - [260001026] Essa (Angus) Water Well & Distribution System
Period being reported: 01/01/2009 to 12/31/2009

Nitrate (mg/L) - TW1	2009/01/07	0.026	No
Nitrate (mg/L) - TW1	2009/04/14	0.029	No
Nitrate (mg/L) - TW1	2009/07/21	0.013	No
Nitrate (mg/L) - TW1	2009/10/06	0.029	No
Nitrate (mg/L) - TW2	2009/01/07	0.013	No
Nitrate (mg/L) - TW2	2009/04/16	0.014	No
Nitrate (mg/L) - TW2	2009/07/21	0.013	No
Nitrate (mg/L) - TW2	2009/10/06	0.013	No
Nitrate (mg/L) - TW3	2009/04/22	0.58	No
Nitrate (mg/L) - TW3	2009/07/21	0.075	No
Nitrate (mg/L) - TW3	2009/10/06	4.87	No

ANNUAL REPORT - Microbiological, Inorganic & Organic

Waterworks: 6065 - [260001026] Essa (Angus) Water Well & Distribution System
 Period being reported: 01/01/2009 to 12/31/2009

Summary of Organic parameters sampled during this reporting period or most recent

Parameter	Sample Date	Result Value	Exceedance
Alachlor (ug/L) - TW1	2009/01/07	< 0.11	No
Alachlor (ug/L) - TW2	2009/01/07	< 0.11	No
Alachlor (ug/L) - TW3	2009/04/22	< 0.11	No
Aldicarb (ug/L) - TW1	2009/01/07	< 0.30	No
Aldicarb (ug/L) - TW2	2009/01/07	< 0.30	No
Aldicarb (ug/L) - TW3	2009/04/22	< 0.30	No
Aldrin + Dieldrin (ug/L) - TW1	2009/01/07	< 0.067	No
Aldrin + Dieldrin (ug/L) - TW2	2009/01/07	< 0.067	No
Aldrin + Dieldrin (ug/L) - TW3	2009/04/22	< 0.067	No
Atrazine + N-dealkylated metabolites (ug/L) - TW1	2009/01/07	< 0.12	No
Atrazine + N-dealkylated metabolites (ug/L) - TW2	2009/01/07	< 0.12	No
Atrazine + N-dealkylated metabolites (ug/L) - TW3	2009/04/22	< 0.12	No
Azinphos-methyl (ug/L) - TW1	2009/01/07	< 0.21	No
Azinphos-methyl (ug/L) - TW2	2009/01/07	< 0.21	No
Azinphos-methyl (ug/L) - TW3	2009/04/22	< 0.21	No
Bendiocarb (ug/L) - TW1	2009/01/07	< 0.13	No
Bendiocarb (ug/L) - TW2	2009/01/07	< 0.13	No
Bendiocarb (ug/L) - TW3	2009/04/22	< 0.13	No
Benzene (ug/L) - TW1	2009/01/07	< 0.37	No
Benzene (ug/L) - TW2	2009/01/07	< 0.37	No
Benzene (ug/L) - TW3	2009/04/23	< 0.37	No
Benzo(a)pyrene (ug/L) - TW1	2009/01/07	< 0.0040	No
Benzo(a)pyrene (ug/L) - TW2	2009/01/07	< 0.0040	No
Benzo(a)pyrene (ug/L) - TW3	2009/04/22	< 0.0040	No
Bromoxynil (ug/L) - TW1	2009/01/07	< 0.33	No
Bromoxynil (ug/L) - TW2	2009/01/07	< 0.33	No
Bromoxynil (ug/L) - TW3	2009/04/22	< 0.33	No
Carbaryl (ug/L) - TW1	2009/01/07	< 0.16	No
Carbaryl (ug/L) - TW2	2009/01/07	< 0.16	No
Carbaryl (ug/L) - TW3	2009/04/22	< 0.16	No
Carbofuran (ug/L) - TW1	2009/01/07	< 0.37	No
Carbofuran (ug/L) - TW2	2009/01/07	< 0.37	No
Carbofuran (ug/L) - TW3	2009/04/22	< 0.37	No
Carbon Tetrachloride (ug/L) - TW1	2009/01/07	< 0.41	No
Carbon Tetrachloride (ug/L) - TW2	2009/01/07	< 0.41	No
Carbon Tetrachloride (ug/L) - TW3	2009/04/23	< 0.41	No
Chlordane:Total (ug/L) - TW1	2009/01/07	< 0.11	No
Chlordane:Total (ug/L) - TW2	2009/01/07	< 0.11	No
Chlordane:Total (ug/L) - TW3	2009/04/22	< 0.11	No
Chlorpyrifos (ug/L) - TW1	2009/01/07	< 0.18	No
Chlorpyrifos (ug/L) - TW2	2009/01/07	< 0.18	No
Chlorpyrifos (ug/L) - TW3	2009/04/22	< 0.18	No
Cyanazine (ug/L) - TW1	2009/01/07	< 0.18	No
Cyanazine (ug/L) - TW2	2009/01/07	< 0.18	No

ANNUAL REPORT - Microbiological, Inorganic & Organic

Waterworks: 6065 - [260001026] Essa (Angus) Water Well & Distribution System
 Period being reported: 01/01/2009 to 12/31/2009

Cyanazine (ug/L) - TW3	2009/04/22	< 0.18	No
Diazinon (ug/L) - TW1	2009/01/07	< 0.081	No
Diazinon (ug/L) - TW2	2009/01/07	< 0.081	No
Diazinon (ug/L) - TW3	2009/04/22	< 0.081	No
Dicamba (ug/L) - TW1	2009/01/07	< 0.20	No
Dicamba (ug/L) - TW2	2009/01/07	< 0.20	No
Dicamba (ug/L) - TW3	2009/04/22	< 0.20	No
1,2-Dichlorobenzene (ug/L) - TW1	2009/01/07	< 0.50	No
1,2-Dichlorobenzene (ug/L) - TW2	2009/01/07	< 0.50	No
1,2-Dichlorobenzene (ug/L) - TW3	2009/04/23	< 0.50	No
1,4-Dichlorobenzene (ug/L) - TW1	2009/01/07	< 0.21	No
1,4-Dichlorobenzene (ug/L) - TW2	2009/01/07	< 0.21	No
1,4-Dichlorobenzene (ug/L) - TW3	2009/04/23	< 0.21	No
Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW1	2009/01/07	< 0.14	No
Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW2	2009/01/07	< 0.14	No
Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW3	2009/04/22	< 0.14	No
1,2-Dichloroethane (ug/L) - TW1	2009/01/07	< 0.43	No
1,2-Dichloroethane (ug/L) - TW2	2009/01/07	< 0.43	No
1,2-Dichloroethane (ug/L) - TW3	2009/04/23	< 0.43	No
1,1-Dichloroethylene (ug/L) - TW1	2009/01/07	< 0.41	No
1,1-Dichloroethylene (ug/L) - TW2	2009/01/07	< 0.41	No
1,1-Dichloroethylene (ug/L) - TW3	2009/04/23	< 0.41	No
Dichloromethane (ug/L) - TW1	2009/01/07	< 0.34	No
Dichloromethane (ug/L) - TW2	2009/01/07	< 0.34	No
Dichloromethane (ug/L) - TW3	2009/04/23	0.34	No
2,4-Dichlorophenol (ug/L) - TW1	2009/01/07	< 0.15	No
2,4-Dichlorophenol (ug/L) - TW2	2009/01/07	< 0.15	No
2,4-Dichlorophenol (ug/L) - TW3	2009/04/22	< 0.15	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW1	2009/01/07	< 0.19	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW2	2009/01/07	< 0.19	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW3	2009/04/22	< 0.19	No
Diclofop-methyl (ug/L) - TW1	2009/01/07	< 0.40	No
Diclofop-methyl (ug/L) - TW2	2009/01/07	< 0.40	No
Diclofop-methyl (ug/L) - TW3	2009/04/22	< 0.40	No
Dimethoate (ug/L) - TW1	2009/01/07	< 0.12	No
Dimethoate (ug/L) - TW2	2009/01/07	< 0.12	No
Dimethoate (ug/L) - TW3	2009/04/22	< 0.12	No
Dinoseb (ug/L) - TW1	2009/01/07	< 0.36	No
Dinoseb (ug/L) - TW2	2009/01/07	< 0.36	No
Dinoseb (ug/L) - TW3	2009/04/22	< 0.36	No
Diquat (ug/L) - TW1	2009/01/07	< 1.00	No
Diquat (ug/L) - TW2	2009/01/07	< 1.00	No
Diquat (ug/L) - TW3	2009/04/22	< 1.00	No
Diuron (ug/L) - TW1	2009/01/07	< 0.087	No
Diuron (ug/L) - TW2	2009/01/07	< 0.087	No
Diuron (ug/L) - TW3	2009/04/22	< 0.087	No

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Glyphosate (ug/L) - TW1	2009/01/07	< 6.00	No
Glyphosate (ug/L) - TW2	2009/01/07	< 6.00	No
Glyphosate (ug/L) - TW3	2009/04/22	< 6.00	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW1	2009/01/07	< 0.11	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW2	2009/01/07	< 0.11	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW3	2009/04/22	< 0.11	No
Lindane: (ug/L) - TW1	2009/01/07	< 0.056	No
Lindane: (ug/L) - TW2	2009/01/07	< 0.056	No
Lindane: (ug/L) - TW3	2009/04/22	< 0.056	No
Malathion (ug/L) - TW1	2009/01/07	< 0.091	No
Malathion (ug/L) - TW2	2009/01/07	< 0.091	No
Malathion (ug/L) - TW3	2009/04/22	< 0.091	No
Methoxychlor (ug/L) - TW1	2009/01/07	< 0.14	No
Methoxychlor (ug/L) - TW2	2009/01/07	< 0.14	No
Methoxychlor (ug/L) - TW3	2009/04/22	< 0.14	No
Metolachlor (ug/L) - TW1	2009/01/07	< 0.092	No
Metolachlor (ug/L) - TW2	2009/01/07	< 0.092	No
Metolachlor (ug/L) - TW3	2009/04/22	< 0.092	No
Metribuzin (ug/L) - TW1	2009/01/07	< 0.12	No
Metribuzin (ug/L) - TW2	2009/01/07	< 0.12	No
Metribuzin (ug/L) - TW3	2009/04/22	< 0.12	No
Monochlorobenzene (ug/L) - TW1	2009/01/07	< 0.58	No
Monochlorobenzene (ug/L) - TW2	2009/01/07	< 0.58	No
Monochlorobenzene (ug/L) - TW3	2009/04/23	< 0.58	No
Paraquat (ug/L) - TW1	2009/01/07	< 1.00	No
Paraquat (ug/L) - TW2	2009/01/07	< 1.00	No
Paraquat (ug/L) - TW3	2009/04/22	< 1.00	No
Parathion (ug/L) - TW1	2009/01/07	< 0.18	No
Parathion (ug/L) - TW2	2009/01/07	< 0.18	No
Parathion (ug/L) - TW3	2009/04/22	< 0.18	No
Pentachlorophenol (ug/L) - TW1	2009/01/07	< 0.15	No
Pentachlorophenol (ug/L) - TW2	2009/01/07	< 0.15	No
Pentachlorophenol (ug/L) - TW3	2009/04/22	< 0.15	No
Phorate (ug/L) - TW1	2009/01/07	< 0.11	No
Phorate (ug/L) - TW2	2009/01/07	< 0.11	No
Phorate (ug/L) - TW3	2009/04/22	< 0.11	No
Picloram (ug/L) - TW1	2009/01/07	< 0.25	No
Picloram (ug/L) - TW2	2009/01/07	< 0.25	No
Picloram (ug/L) - TW3	2009/04/22	< 0.25	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW1	2009/01/07	< 0.040	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW2	2009/01/07	< 0.040	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW3	2009/04/22	< 0.040	No
Prometryne (ug/L) - TW1	2009/01/07	< 0.23	No
Prometryne (ug/L) - TW2	2009/01/07	< 0.23	No
Prometryne (ug/L) - TW3	2009/04/22	< 0.23	No
Simazine (ug/L) - TW1	2009/01/07	< 0.15	No

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Simazine (ug/L) - TW2	2009/01/07	< 0.15	No
Simazine (ug/L) - TW3	2009/04/22	< 0.15	No
THM (ug/L)	2009	30.00	No
Temephos (ug/L) - TW1	2009/01/07	< 0.31	No
Temephos (ug/L) - TW2	2009/01/07	< 0.31	No
Temephos (ug/L) - TW3	2009/04/22	< 0.31	No
Terbufos (ug/L) - TW1	2009/01/07	< 0.12	No
Terbufos (ug/L) - TW2	2009/01/07	< 0.12	No
Terbufos (ug/L) - TW3	2009/04/22	< 0.12	No
Tetrachloroethylene (ug/L) - TW1	2009/01/07	< 0.45	No
Tetrachloroethylene (ug/L) - TW2	2009/01/07	< 0.45	No
Tetrachloroethylene (ug/L) - TW3	2009/04/23	< 0.45	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW1	2009/01/07	< 0.14	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW2	2009/01/07	< 0.14	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW3	2009/04/22	< 0.14	No
Triallate (ug/L) - TW1	2009/01/07	< 0.10	No
Triallate (ug/L) - TW2	2009/01/07	< 0.10	No
Triallate (ug/L) - TW3	2009/04/22	< 0.10	No
Trichloroethylene (ug/L) - TW1	2009/01/07	< 0.38	No
Trichloroethylene (ug/L) - TW2	2009/01/07	< 0.38	No
Trichloroethylene (ug/L) - TW3	2009/04/23	< 0.38	No
2,4,6-Trichlorophenol (ug/L) - TW1	2009/01/07	< 0.25	No
2,4,6-Trichlorophenol (ug/L) - TW2	2009/01/07	< 0.25	No
2,4,6-Trichlorophenol (ug/L) - TW3	2009/04/22	< 0.25	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW1	2009/01/07	< 0.22	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW2	2009/01/07	< 0.22	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW3	2009/04/22	< 0.22	No
Trifluralin (ug/L) - TW1	2009/01/07	< 0.12	No
Trifluralin (ug/L) - TW2	2009/01/07	< 0.12	No
Trifluralin (ug/L) - TW3	2009/04/22	< 0.12	No
Vinyl Chloride (ug/L) - TW1	2009/01/07	< 0.17	No
Vinyl Chloride (ug/L) - TW2	2009/01/07	< 0.17	No
Vinyl Chloride (ug/L) - TW3	2009/04/23	< 0.17	No