

December 15, 2000

Mr. Paul Kozol
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Re: Monthly Monitoring Report for the Oconomowoc Groundwater Treatment Facility

Dear Mr. Kozol:

Attached is the Monthly Monitoring Report for **November, 2000** for the above referenced project. Questions regarding these reports should be directed to James Chang of APL, Inc. at (414) 355-5800.

Thank you for your continued cooperation and assistance with this project.

Sincerely,

Dean Groleau, Plant Superintendent
APL, Inc.

cc: Steven Brossart, USACE
Steve Padovani, USEPA
James Chang, APL, Inc.
David Brodzinski, WDNR, Horicon
Craig Evans, USACE

**MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY**

ASHIPPUN, WISCONSIN 53003

Prepared for:

**U.S. ARMY CORPS OF ENGINEERS
ST. PAUL DISTRICT
WINONA, MINNESOTA
CONTRACT DACW37-98-C-0009**

Prepared by:

**APL, Inc.
8222 West Calumet Road
Milwaukee, WI 53223**

December 15, 2000

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for November, 2000. The OEGTP is located at the site of the former Oconomowoc Electroplating Company, in Ashippun, WI.

Laboratory results of effluent sampling can be found in the Discharge Monitoring Report Form, sent under separate cover. The effluent sampling was conducted by Dave Dugan and Dean Groleau of APL, Inc. Laboratory analysis was provided by APL, Inc., 8222 W. Calumet Road, Milwaukee WI 53223. All sampling and analyses were conducted in accordance with the Oconomowoc Electroplating Groundwater Treatment System's Chemical Data Acquisition Plan (CDAP). The parameters tested for, frequency of testing, sample type, and limits are set forth in the Final Discharge Limits, Table 1 of the Oconomowoc Electroplating Superfund Site Limits and Requirements for Discharge of Treated Groundwater, issued by the Wisconsin Department of Natural Resources (WDNR) on September 24, 1996. This report is submitted in accordance with the reporting requirements of the WDNR permit.

1.1 Site Background Review

The OEGTP is located at 2572 Oak Street in Ashippun, Wisconsin, in the NW 1/4 of the SE 1/4 of Section 30, Township 30 North, Range 17 East. The site consists of approximately 10 acres, which includes approximately 3.5 acres of the former electroplating facility. The site is bounded by Oak Street (Highway 'O') and Eva Street to the North, and Davey Creek and the Town of Ashippun's garage facilities to the South. The property directly across Oak Street is occupied by Thermogas, Inc. A residential area is located across Eva Street, and a wetlands surrounds Davey Creek.

The contact person is Steven Brossart of the U.S. Army Corps of Engineers (USACE). Mr. Brossart's phone number is (507) 454-6150, Fax (507) 454-4963. APL, Inc. is contracted by the USACE to operate and maintain the plant. The contact for the Treatment Plant is Dean Groleau who can be reached at (920) 474-3212, Fax (920) 474-4241. The contact for APL, Inc. is James Chang, who can be reached at (414) 355-5800, Fax (414) 355-3099.

1.2 Project Objectives

The objective of this project is to prevent the spreading of any plume of contamination that may exist at the site. Contaminated groundwater is pumped from five extraction wells, treated for cyanide, metals, suspended solids, and volatile organic compounds (VOC's). The treated water is then transferred to a groundwater effluent gallery, located south of Elm Street, near Davey Creek.

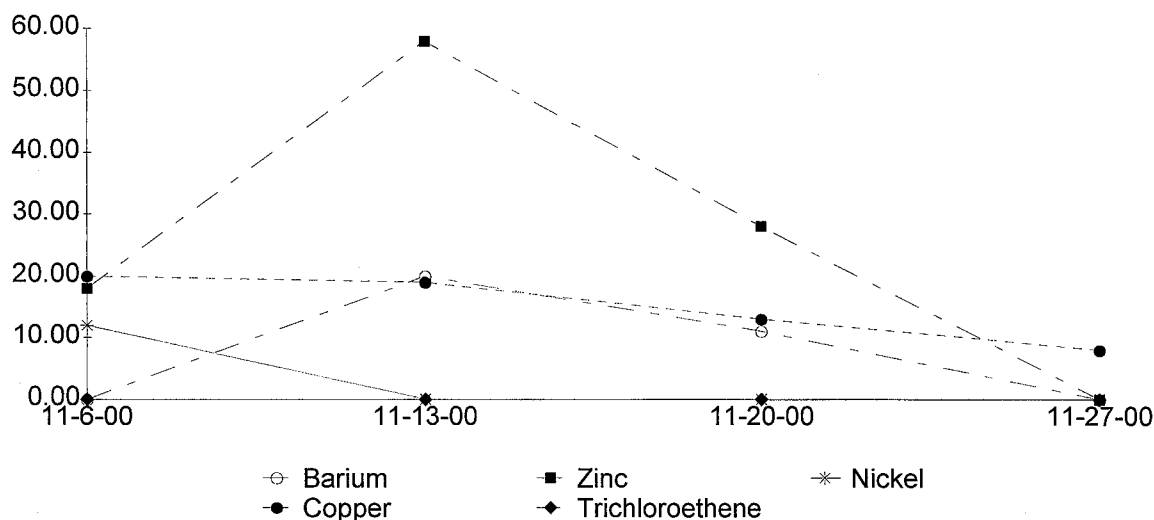
1.3 Effluent Monitoring

Weekly monitoring was conducted on November 6, 13, 20, and 27. The weekly samples for November were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in November showed no exceedences of the WDNR effluent discharge permit.

1.4 Monitoring Results

Results from weekly effluent monitoring can be found in the *Discharge Monitoring Report Form*, sent under a separate cover. Chart 1, below, shows the results of effluent monitoring for five important indicator parameters listed in the Monitoring Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*.

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

The results of the effluent monitoring tests for the samples taken in November showed no exceedences of the WDNR effluent discharge permit.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down one time for a total of 2.5 hours in November, 2000. The shut down was to clean RMT-301 and FT-311. Table 1 shows the summary of the plant down time for the month of November, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
11-8-00	2.5	Shut Down to Clean RMT-301 & FT-311
TOTAL	2.5	

3.1 Shut Down for Clean Out of RMT-301 & FT-311

On November 8, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-120). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer was cleaned in RMT-301 and the walls, floor, and mixer were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-120 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Also, addressed, during the shut down, was the jetting out of the Metals Package piping from the Treatment System Feed Pumps (TFP-110/111) to the Cyanide Reaction Tank (CRT-201). Total down time was 2.5 hours. APL Inc., WDNR, and USACE were notified.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 4 times during the month of November 2000. It was filled and emptied on November 9, 14, 28, and 30. The dewatered sludge is sampled 1 time during the 90 day period since the first opening of the press for the new hopper. We have 90 days after the first opening of the press and dumping into the new hopper to have it removed from the site. The sludge was sampled on October 24, 2000. The first filter press load of dewatered sludge that was added to the new hopper occurred on October 24. The dewatered sludge hopper removal date is January 21. There are 7 filter press loads of dewatered sludge in the hopper.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on November 6, 13, 20, and 27 of 2000. The laboratory results of these samples showed that there were no exceedences of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of November, 2000, the plant was shut down one time for a total of 2.5 hours. See Table 1, Section 3.0 for shut down time. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by December 15, 2000.

The Filter Press was filled and emptied 4 times during the month of November, 2000. A new hopper was set up on October 12. The hopper has 7 Filter Press fillings in it at the end of November, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results

Date: 11-06-00

Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l
pH	7.4	11.5	N/A	N/A	7.9	Monitor
TSS	1	NT	NT	NT	<1	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	113	NT	NT	NT	<7	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total	<0.4	NT	NT	NT	<0.4	Monitor
Recoverable Chromium +6	<4.2	NT	NT	NT	<4.2/<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	11	NT	NT	NT	20	Monitor
Iron	1220	NT	NT	NT	189	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	159	NT	NT	NT	<6	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	34	NT	NT	NT	12	20
Selenium	<4.8	NT	NT	NT	<4.8	10
Silver	<4	NT	NT	NT	<4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	22	NT	NT	NT	18	Monitor
Cyanide	19	NT	NT	NT	<6/<6	40
Cyanide Amenable	<6	NT	NT	NT	<6/<6	Monitor
1,1-Dichloroethane	32	NT	<0.32	<0.32	<0.32/<0.32	85
1,2-Dichloroethane	<0.35	NT	<0.35	<0.35	<0.35/<0.35	0.5
1,1-Dichloroethene	12	NT	<0.34	<0.34	<0.34/<0.34	0.7
1,2-Dichloroethene Cis	49	NT	<0.27	<0.27	<0.27/<0.27	7
1,2-Dichloroethene Trans	15	NT	<0.25	<0.25	<0.25/<0.25	20
Ethylbenzene	<0.25	NT	<0.25	<0.25	<0.25/<0.25	140
Methylene Chloride	<0.3	NT	<0.3	<0.3	<0.3/<0.3	0.5
Tetrachloroethene	45	NT	<0.31	<0.31	<0.31/<0.31	0.5
Toluene	<0.29	NT	<0.29	<0.29	<0.29/<0.29	68
1,1,1-Trichloroethane	150	NT	<0.31	<0.31	<0.31/<0.31	40
1,1,2-Trichloroethane	<0.44	NT	<0.44	<0.44	<0.44/<0.44	0.5
TCE	471	NT	0.51	<0.34	<0.34/<0.34	0.5
Vinyl Chloride	1.5	NT	<0.2	<0.2	<0.2/<0.2	0.2
Xylene Total	<0.53	NT	<0.53	<0.53	<0.53/<0.53	124
COD	27	NT	NT	NT	20	Monitor
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor
Nitrate + Nitrite	NT	NT	NT	NT	1.45	Monitor
Ammonia Nitrogen	NT	NT	NT	NT	<0.1	Monitor

mg/l

mg/l
mg/l
mg/l
mg/l

NT = Not Tested.

N/A = Not Applicable at this time.

ug/l = Micrograms per Liter.

mg/l = Milligrams per Liter.

The Effluent Grab Sample was duplicated.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results

Date: 11-13-00

Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l
pH	7.3	11.6	N/A	N/A	8	Monitor
TSS	NT	NT	NT	NT	NT	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	114	NT	NT	NT	20	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total	<0.4	NT	NT	NT	<0.4	Monitor
Recoverable						
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	20	NT	NT	NT	19	Monitor
Iron	928	NT	NT	NT	<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	151	NT	NT	NT	<6	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	29	NT	NT	NT	<11	20
Selenium	5.4	NT	NT	NT	<4.8	10
Silver	<4	NT	NT	NT	<4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	56	NT	NT	NT	58	Monitor
Cyanide	14	NT	NT	NT	<6	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	30	NT	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethene	12	NT	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethene Cis	47	NT	0.33	<0.27	<0.27	7
1,2-Dichloroethene Trans	17	NT	<0.25	<0.25	<0.25	20
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5
Tetrachloroethene	5	NT	<0.31	<0.31	<0.31	0.5
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68
1,1,1-Trichloroethane	144	NT	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<2.2	NT	<0.44	0.54	<0.44	0.5
TCE	466	NT	1.5	0.73	<0.34	0.5
Vinyl Chloride	1.4	NT	<0.2	<0.2	<0.2	0.2
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124
COD	NT	NT	NT	NT	NT	Monitor
Phosphorus Total	NT	NT	NT	NT	NT	Monitor
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor

mg/l

mg/l
mg/l
mg/l
mg/l

NT = Not Tested.

N/A = Not Applicable at this time.

ug/l = Micrograms per Liter.

mg/l = Milligrams per Liter.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results

Date: 11-20-00

Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l
pH	7.5	11.6	N/A	N/A	7.6	Monitor
TSS	NT	NT	NT	NT	NT	Monitor
Arsenic	11.52	NT	NT	NT	<5.6	5
Barium	99	NT	NT	NT	11	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total	<0.4	NT	NT	NT	<0.4	Monitor
Recoverable Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	19	NT	NT	NT	13	Monitor
Iron	1180	NT	NT	NT	<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	107	NT	NT	NT	<6	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	<11	NT	NT	NT	<11	20
Selenium	<4.8	NT	NT	NT	<4.8	10
Silver	<4	NT	NT	NT	<4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	25	NT	NT	NT	28	Monitor
Cyanide	23	NT	NT	NT	<6	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	<11	NT	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<18	NT	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethene	<17	NT	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethene Cis	43	NT	<0.27	<0.27	<0.27	7
1,2-Dichloroethene Trans	<13	NT	<0.25	<0.25	<0.25	20
Ethylbenzene	<13	NT	<0.25	0.34	<0.25	140
Methylene Chloride	<15	NT	<0.3	<0.3	<0.3	0.5
Tetrachloroethene	<16	NT	<0.31	<0.31	<0.31	0.5
Toluene	<15	NT	<0.29	<0.29	<0.29	68
1,1,1-Trichloroethane	<16	NT	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<22	NT	<0.44	<0.44	<0.44	0.5
TCE	455	NT	0.98	<0.34	<0.34	0.5
Vinyl Chloride	<10	NT	<0.2	<0.2	<0.2	0.2
Xylene Total	<27	NT	<0.53	0.82	<0.53	124
COD	NT	NT	NT	NT	NT	Monitor
Phosphorus Total	NT	NT	NT	NT	NT	Monitor
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor

mg/l

mg/l
mg/l
mg/l
mg/l

NT = Not Tested.

N/A = Not Applicable at this time.

ug/l = Micrograms per Liter.

mg/l = Milligrams per Liter.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results

Date: 11-27-00

Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l
pH	7.7	11.6	N/A	N/A	7.8	Monitor
TSS	NT	NT	NT	NT	NT	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	95	NT	NT	NT	<7	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total	<0.4	NT	NT	NT	<0.4	Monitor
Recoverable Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	7	NT	NT	NT	8	Monitor
Iron	804	NT	NT	NT	<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	146	NT	NT	NT	<6	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	26	NT	NT	NT	<11	20
Selenium	<4.8	NT	NT	NT	<4.8	10
Silver	<4	NT	NT	NT	<4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	<14	NT	NT	NT	<14	Monitor
Cyanide	19	NT	NT	NT	<6	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	27	NT	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethene	15	NT	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethene Cis	42	NT	<0.27	<0.27	<0.27	7
1,2-Dichloroethene Trans	14	NT	<0.25	<0.25	<0.25	20
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5
Tetrachloroethene	4.1	NT	1.1	<0.31	<0.31	0.5
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68
1,1,1-Trichloroethane	158	NT	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5
TCE	496	NT	<0.34	<0.34	<0.34	0.5
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124
COD	NT	NT	NT	NT	NT	Monitor
Phosphorus Total	NT	NT	NT	NT	NT	Monitor
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor

mg/l

mg/l
mg/l
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mg/l

NT = Not Tested.

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ug/l = Micrograms per Liter.

mg/l = Milligrams per Liter.

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL			FEET		
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
July 31, 1998	6.64	DRY	3.74	4.26	8.00	COVERED
Aug. 31, 1998	7.70	DRY	DRY	5.34	8.70	COVERED
Sept. 17, 1998	7.50	DRY	DRY	5.00	8.66	COVERED
Oct. 7, 1998	6.50	DRY	3.75	4.10	8.34	COVERED
Nov. 23, 1998	6.66	DRY	DRY	4.37	8.17	COVERED
Dec. 15, 1998	5.90	DRY	3.40	3.75	8.20	COVERED
Jan. 18, 1999	6.60	DRY	3.75	4.72	8.25	COVERED
Feb. 3, 1999	5.36	6.10	3.15	2.90	7.15	COVERED
Mar. 3-4, 1999	5.51	DRY	3.20	3.04	7.40	COVERED
Apr. 15, 1999	5.30	6.20	3.25	4.40	6.92	COVERED
May 10, 1999	5.50	6.35	3.35	3.40	7.05	COVERED
June 18, 1999	4.95	6.05	3.00	3.22	6.81	COVERED
July 13, 1999	6.30	DRY	3.80	4.05	7.90	COVERED
August 06, 1999	6.37	DRY	3.58	4.00	7.65	COVERED
Sept. 15, 20, 1999	7.68	DRY	DRY	5.60	DRY	COVERED
October 06, 1999	6.60	DRY	3.84	4.14	DRY	COVERED
November 9, 1999	7.78	DRY	DRY	5.48	DRY	COVERED
December 6-7, 1999	6.70	DRY	DRY	4.50	DRY	COVERED
January 7, 2000	7.50	DRY	DRY	5.10	DRY	COVERED
February 7, 2000	7.60	DRY	DRY	5.25	DRY	COVERED
March 8, 2000	6.81	6.40	4.30	4.24	6.82	COVERED
April 6, 2000	6.95	6.16	4.42	4.87	6.42	COVERED
May 3, 2000	6.63	DRY	3.98	4.42	DRY	COVERED
June 1, 2000	4.40	3.14	4.30	2.36	6.26	COVERED
July 3, 2000	4.97	4.81	2.84	2.85	DRY	COVERED
August 3, 2000	6.94	DRY	4.85	4.46	DRY	COVERED
September 6-7, 2000	6.92	DRY	4.29	4.75	DRY	COVERED
October 4, 2000	6.57	DRY	3.89	4.29	DRY	COVERED
November 2, 2000	7.16	DRY	DRY	4.99	DRY	COVERED

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL			FEET		
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
July 31, 1998	4.75	3.78	5.75	4.80	10.49	UNACCESS.
Aug. 31, 1998	5.64	4.48	6.38	4.80	11.64	UNACCESS.
Sept. 17, 1998	5.35	3.20	6.31	4.86	11.10	UNACCESS.
Oct. 7, 1998	4.75	3.65	5.79	4.75	10.60	UNACCESS.
Nov. 23, 1998	4.73	3.70	5.82	4.56	10.46	UNACCESS.
Dec. 15, 1998	4.10	3.00	5.85	4.70	9.95	UNACCESS.
Jan. 18, 1999	4.70	3.70	5.70	5.00	10.50	UNACCESS.
Feb. 3, 1999	3.50	2.48	4.85	3.00	9.27	UNACCESS.
Mar. 3-4, & 16, 1999	3.50	2.70	5.15	3.40	9.20	2.95
Apr. 15, 1999	3.61	3.20	4.84	2.60	9.25	2.63
May 10, 1999	3.85	3.05	4.95	2.80	9.45	3.80
June 18, 1999	3.71	3.75	4.87	2.49	9.29	2.81
July 13-14, 1999	4.50	3.65	5.74	3.82	10.19	3.05
August 06, 1999	4.62	3.59	5.48	3.26	10.17	3.32
Sept. 13, 15, 20, 23, '99	6.00	4.90	6.51	4.80	10.95	4.17
October 06, 1999	4.80	3.80	6.00	4.56	10.70	3.40
November 9, 1999	5.80	4.72	6.52	5.63	11.50	5.64
December 6-7, 1999	4.41	3.50	6.17	5.30	10.28	3.10
January 7, 2000	4.40	5.45	6.35	5.60	11.00	4.60
February 7, 2000	5.70	4.65	6.65	5.90	11.50	4.00
March 8-9, 2000	4.52	3.42	5.29	4.24	10.32	2.61
April 6, 2000	4.51	3.95	5.91	4.79	10.15	3.31
May 3, 2000	4.75	3.62	5.76	4.19	10.51	3.15
June 6-7, 2000	3.27	2.20	4.23	1.52	8.98	2.51
July 3, 2000	4.30	2.09	2.10	2.16	8.85	2.50
August 3, 2000	5.03	3.98	5.93	3.41	10.89	4.41
September 6-7, 2000	5.09	3.95	6.01	4.51	11.26	3.39
October 4-5, 2000	4.67	3.60	5.65	4.09	10.43	3.08
November 2, 2000	5.20	4.13	6.07	4.94	11.03	3.42

FLOW FROM EQT-100

YEAR: 2000			
MONTH: NOV.	FE-112 FLOW	TOTAL DAY'S	DAILY FLOW
DAY	TOTALIZER	FLOW (GAL.)	MGD
1	8,789,847.00	41,533.00	0.042
2	8,831,380.00	40,779.00	0.041
3	8,872,159.00	25,097.00	0.025
4	8,897,256.00	49,079.00	0.049
5	8,946,335.00	46,676.00	0.047
6	8,993,011.00	41,110.00	0.041
7	9,034,121.00	39,935.00	0.040
8	9,074,056.00	40,991.00	0.041
9	9,115,047.00	40,854.00	0.041
10	9,155,901.00	24,740.00	0.025
11	9,180,641.00	47,204.00	0.047
12	9,227,845.00	46,120.00	0.046
13	9,273,965.00	42,999.00	0.043
14	9,316,964.00	40,256.00	0.040
15	9,357,220.00	44,214.00	0.044
16	9,401,434.00	41,421.00	0.041
17	9,442,855.00	37,255.00	0.037
18	9,480,110.00	42,217.00	0.042
19	9,522,327.00	46,519.00	0.047
20	9,568,846.00	39,600.00	0.040
21	9,608,446.00	43,895.00	0.044
22	9,652,341.00	33,565.00	0.034
23	9,685,906.00	39,882.00	0.040
24	9,725,788.00	43,376.00	0.043
25	9,769,164.00	41,781.00	0.042
26	9,810,945.00	41,687.00	0.042
27	9,852,632.00	41,127.00	0.041
28	9,893,759.00	39,641.00	0.040
29	9,933,400.00	39,419.00	0.039
30	9,972,819.00	39,418.22	0.039
December 01	10,012,237.22		

SHUT DOWN

TOTAL 1.223
AVERAGE 0.041

FLOW FROM EXTRACTION WELLS

YEAR: 2000				
MONTH: NOV. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	3,063,316.00	32,071.00	0.032	
2	3,095,387.00	30,525.00	0.031	
3	3,125,912.00	18,756.00	0.019	
4	3,144,668.00	35,982.00	0.036	
5	3,180,650.00	34,111.00	0.034	
6	3,214,761.00	29,783.00	0.030	
7	3,244,544.00	23,085.00	0.023	
8	3,267,629.00	29,164.00	0.029	SHUT DOWN
9	3,296,793.00	28,979.00	0.029	SHUT DOWN
10	3,325,772.00	18,848.00	0.019	
11	3,344,620.00	36,441.00	0.036	
12	3,381,061.00	35,483.00	0.035	
13	3,416,544.00	30,652.00	0.031	SHUT DOWN
14	3,447,196.00	31,486.00	0.031	SHUT DOWN
15	3,478,682.00	32,457.00	0.032	
16	3,511,139.00	30,779.00	0.031	
17	3,541,918.00	28,092.00	0.028	
18	3,570,010.00	31,903.00	0.032	
19	3,601,913.00	29,639.00	0.030	
20	3,631,552.00	31,408.00	0.031	SHUT DOWN
21	3,662,960.00	33,923.00	0.034	
22	3,696,883.00	25,882.00	0.026	SHUT DOWN
23	3,722,765.00	30,579.00	0.031	
24	3,753,344.00	31,891.00	0.032	
25	3,785,235.00	31,004.00	0.031	SHUT DOWN
26	3,816,239.00	31,848.00	0.032	
27	3,848,087.00	22,386.00	0.022	
28	3,870,473.00	30,894.00	0.031	SHUT DOWN
29	3,901,367.00	25,175.00	0.025	
30	3,926,542.00	29,669.00	0.030	SHUT DOWN
December 01	3,956,211.00			
		TOTAL	0.893	
		AVERAGE	0.030	

EFFLUENT FLOW FROM PLANT

YEAR: 2000				
MONTH: NOV. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD
1	6,788,668.00	14,389.00	28,778.00	0.029
2	6,803,057.00	15,542.00	31,084.00	0.031
3	6,818,599.00	10,857.00	21,714.00	0.022
4	6,829,456.00	17,797.00	35,594.00	0.036
5	6,847,253.00	16,565.00	33,130.00	0.033
6	6,863,818.00	12,202.00	24,404.00	0.024
7	6,876,020.00	16,462.00	32,924.00	0.033
8	6,892,482.00	15,414.00	30,828.00	0.031
9	6,907,896.00	15,321.00	30,642.00	0.031
10	6,923,217.00	11,356.00	22,712.00	0.023
11	6,934,573.00	17,558.00	35,116.00	0.035
12	6,952,131.00	17,196.00	34,392.00	0.034
13	6,969,327.00	15,649.00	31,298.00	0.031
14	6,984,976.00	15,154.00	30,308.00	0.030
15	7,000,130.00	17,180.00	34,360.00	0.034
16	7,017,310.00	16,237.00	32,474.00	0.032
17	7,033,547.00	15,649.00	31,298.00	0.031
18	7,049,196.00	14,987.00	29,974.00	0.030
19	7,064,183.00	17,122.00	34,244.00	0.034
20	7,081,305.00	14,349.00	28,698.00	0.029
21	7,095,654.00	16,936.00	33,872.00	0.034
22	7,112,590.00	11,919.00	23,838.00	0.024
23	7,124,509.00	15,732.00	31,464.00	0.031
24	7,140,241.00	16,842.00	33,684.00	0.034
25	7,157,083.00	15,115.00	30,230.00	0.030
26	7,172,198.00	15,423.00	30,846.00	0.031
27	7,187,621.00	14,251.00	28,502.00	0.029
28	7,201,872.00	14,492.00	28,984.00	0.029
29	7,216,364.00	14,884.00	29,768.00	0.030
30	7,231,248.00	13,667.00	27,334.00	0.027
December 01	7,244,915.00			

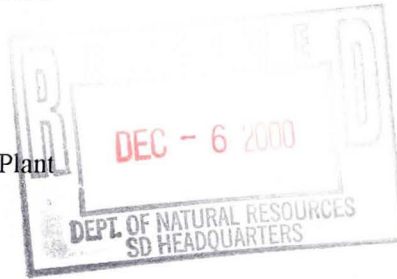
SHUT DOWN

TOTAL 0.912
AVERAGE 0.030

APL Environmental

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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003



INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: **20000845**
 DATE REPORTED: 16-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 22093										
Client ID: 001106WA01P										
								Collection: 11/6/2000	Time: 08:30	
Sample Description:										
Arsenic - Furnace AA	<5.6	ug/l	J RJ	5.6	18	206.2	tm	11/10/2000	995643	
Barium - ICAP	0.113	mg/l	RJ	0.007	0.02	200.7	tm	11/10/2000	995619	
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	JZ	11/13/2000	995641	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	11/10/2000	995619	
Copper- ICAP	0.011	mg/l	J RJ	0.006	0.02	200.7	tm	11/10/2000	995619	
Iron - ICAP	1.22	mg/l	RJ	0.081	0.26	200.7	tm	11/10/2000	995619	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	11/6/2000	995578	
Manganese - ICAP	0.159	mg/l	RJ	0.006	0.02	200.7	tm	11/10/2000	995619	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	11/7/2000	995584	
Nickel - ICAP	0.034	mg/l	J RJ	0.011	0.03	200.7	tm	11/10/2000	995619	
Selenium - Furnace AA	<4.8	ug/l	J RJ	4.8	15	270.2	tm	11/6/2000	995575	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	11/10/2000	995619	
Thallium - Furnace AA	<1.3	ug/l	J	1.3	4.1	279.2	jz	11/13/2000	995644	
Zinc - ICAP	0.022	mg/l	J RJ	0.014	0.04	200.7	tm	11/10/2000	995619	
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	11/8/2000	995661	
COD. Total	27	mg/l		3.4	11	410.4-CT	12805	11/8/2000	995663	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	11/13/2000	995627	
Cyanide, Total	0.019	mg/l		0.006	0.02	335.2	dmd	11/13/2000	995632	
pH (water)	7.4	s.u.	#			150.1	dmd	11/8/2000	995589	
Solids, Total Suspended	1.0	mg/l	J	1	3.2	SM 2540D	tm	11/6/2000	995583	

Nova Sample Number: 22094

Client ID: 001106WA09R

Collection: 11/6/2000

Time: 09:10

Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	J RJ	5.6	18	206.2	tm	11/10/2000	995643	
Barium - ICAP	<0.007	mg/l	J RJ	0.007	0.02	200.7	tm	11/10/2000	995619	
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	JZ	11/13/2000	995641	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	11/10/2000	995619	
Copper- ICAP	0.020	mg/l	RJ	0.006	0.02	200.7	tm	11/10/2000	995619	
Iron - ICAP	0.189	mg/l	J RJ	0.081	0.26	200.7	tm	11/10/2000	995619	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	11/6/2000	995578	
Manganese - ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	11/10/2000	995619	

APL Environmental

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INORGANIC REPORT

WDNR# 241340550

James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

INVOICE NUMBER: 20000845
 DATE REPORTED: 16-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	11/7/2000	995584	
Nickel - ICAP	0.012	mg/l	J RJ	0.011	0.03	200.7	tm	11/10/2000	995619	
Selenium - Furnace AA	<4.8	ug/l	J RJ	4.8	15	270.2	tm	11/6/2000	995575	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	11/10/2000	995619	
Thallium - Furnace AA	<1.3	ug/l	J	1.3	4.1	279.2	jz	11/13/2000	995644	
Zinc - ICAP	0.018	mg/l	J RJ	0.014	0.04	200.7	tm	11/10/2000	995619	
COD. Total	20	mg/l		3.4	11	410.4-CT	12805	11/8/2000	995663	
Nitrate + Nitrite Nitrogen	1.45	mg/l		0.03	0.10	353.3	dmd	11/8/2000	995592	
Nitrogen, Ammonia	<0.1	mg/l	J	0.1	0.32	350.1	12805	11/16/2000	995665	
Phosphorus, Total	<0.1	mg/l	J	0.1	0.32	365.2	12805	11/9/2000	995664	
Solids, Total Suspended	<1.0	mg/l	J	1	3.2	SM 2540D	tm	11/6/2000	995583	

Nova Sample Number: 22095

Client ID: 001106WA02P

Collection: 11/6/2000 Time: 08:35

Sample Description:

pH (water) 9.5 s.u. # 150.1

dmd 11/8/2000 995589

Nova Sample Number: 22096

Client ID: 001106WA03P

Collection: 11/6/2000 Time: 08:40

Sample Description:

pH (water) 11.5 s.u. # 150.1

dmd 11/8/2000 995589

Nova Sample Number: 22097

Client ID: 001106WA05P

Collection: 11/6/2000 Time: 08:45

Sample Description:

pH (water) 7.6 s.u. # 150.1

dmd 11/8/2000 995589

Nova Sample Number: 22101

Client ID: 001106WA09P

Collection: 11/6/2000 Time: 10:00

Sample Description:

Chromium, Hexavalent <0.0042 mg/l J 0.004 0.01 SM 3500D 12805 11/8/2000 995661

Cyanide, Amenable <0.006 mg/l J 0.006 0.02 335.2 dmd 11/13/2000 995627

Cyanide, Total <0.006 mg/l J 0.006 0.02 335.2 dmd 11/13/2000 995632

pH (water) 7.9 s.u. # 150.1 dmd 11/8/2000 995589

Nova Sample Number: 22102

Client ID: 001106WA09Q

Collection: 11/6/2000 Time: 10:05

Sample Description:

APL Environmental

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INORGANIC REPORT

WDNR# 241340550

James Chang
Oconomowoc Groundwater Treatment Plant
2572 Oak St.
Ashippun, WI 53003

INVOICE NUMBER 20000845
DATE REPORTED: 16-Nov-00
DATE RECEIVED: 06-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampli
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	11/8/2000	995661	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	11/13/2000	995627	
Cyanide, Total	<0.006	mg/l	J	0.006	0.02	335.2	dmd	11/13/2000	995632	
pH (water)	7.9	s.u.	#			150.1	dmd	11/8/2000	995589	

Approved By: _____

James Chang, Ph.D., Lab Director

Date: 11/16/00

RJ Result expressed as Total.

TTR Result expressed as total and total recoverable.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun , WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
 DATE REPORTED: 14-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22093									
Client ID: 001106WA01P									
QC Prep Batch Number: 995645									
Collection: 11/6/2000									
Time: 08:30									
Sample Description:									
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/8/2000 / 11/8/2000
1,1,1-Trichloroethane	150	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethane	32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethene	12	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichlorobenzene	0.36	ug/l	0.34	1.1	1	J	8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/8/2000 / 11/8/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/8/2000 / 11/8/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/8/2000 / 11/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/8/2000 / 11/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/8/2000 / 11/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Chlorobenzene	1.7	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Chloroethane	12	ug/l	0.64	2.0	1		8260	qh	11/8/2000 / 11/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/8/2000 / 11/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,2-Dichloroethene	49	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/8/2000 / 11/8/2000



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
 DATE REPORTED: 14-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/8/2000 / 11/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/8/2000 / 11/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/8/2000 / 11/8/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Tetrachloroethene	4.5	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,2-Dichloroethene	15	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Trichloroethene	471	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/8/2000 / 11/8/2000
Vinyl chloride	1.5	ug/l	0.20	0.64	1		8260	qh	11/8/2000 / 11/8/2000

Sample Number: 22098

QC Prep Batch Number: 995645

Collection: 11/6/2000

Time: 08:50

Client ID: 001106WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/8/2000 / 11/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000



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James Chang
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2572 Oak St.
Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
DATE REPORTED: 14-Nov-00
DATE RECEIVED: 06-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampli
PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/8/2000 / 11/8/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/8/2000 / 11/8/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/8/2000 / 11/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/8/2000 / 11/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/8/2000 / 11/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/8/2000 / 11/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/8/2000 / 11/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/8/2000 / 11/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/8/2000 / 11/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/8/2000 / 11/8/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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James Chang
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 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
 DATE REPORTED: 14-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Trichloroethene	0.51	ug/l	0.34	1.1	1	J	8260	qh	11/8/2000 / 11/8/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/8/2000 / 11/8/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/8/2000 / 11/8/2000

Sample Number: 22099

QC Prep Batch Number: 995645

Collection: 11/6/2000

Time: 08:55

Client ID: 001106WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/8/2000 / 11/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/8/2000 / 11/8/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/8/2000 / 11/8/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/8/2000 / 11/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/8/2000 / 11/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/8/2000 / 11/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/8/2000 / 11/8/2000



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James Chang
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 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
 DATE REPORTED: 14-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	0.49	ug/l	0.24	0.76	1	J	8260	qh	11/8/2000 / 11/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/8/2000 / 11/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/8/2000 / 11/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/8/2000 / 11/8/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/8/2000 / 11/8/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/8/2000 / 11/8/2000

Sample Number: 22100

QC Prep Batch Number: 995645

Collection: 11/6/2000

Time: 08:55

Client ID: Trip Blank

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/8/2000 / 11/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
 DATE REPORTED: 14-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/8/2000 / 11/8/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/8/2000 / 11/8/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/8/2000 / 11/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/8/2000 / 11/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/8/2000 / 11/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/8/2000 / 11/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/8/2000 / 11/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/8/2000 / 11/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Methylene chloride	1.7	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/8/2000 / 11/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/8/2000 / 11/8/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by these terms and conditions set forth herein.



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
 DATE REPORTED: 14-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/8/2000 / 11/8/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/8/2000 / 11/8/2000

Sample Number: 22101

QC Prep Batch Number: 995645

Collection: 11/6/2000

Time: 10:00

Client ID: 001106WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/8/2000 / 11/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/8/2000 / 11/8/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/8/2000 / 11/8/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/8/2000 / 11/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/8/2000 / 11/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/8/2000 / 11/8/2000



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
 DATE REPORTED: 14-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/8/2000 / 11/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/8/2000 / 11/8/2000
Chloroform	0.51	ug/l	0.24	0.76	1	J	8260	qh	11/8/2000 / 11/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/8/2000 / 11/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/8/2000 / 11/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/8/2000 / 11/8/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/8/2000 / 11/8/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/8/2000 / 11/8/2000

Sample Number: 22102

QC Prep Batch Number: 995645

Collection: 11/6/2000

Time: 10:05

Client ID: 001106WA09Q

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/8/2000 / 11/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000



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James Chang
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 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
 DATE REPORTED: 14-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/8/2000 / 11/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/8/2000 / 11/8/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/8/2000 / 11/8/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/8/2000 / 11/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/8/2000 / 11/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/8/2000 / 11/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/8/2000 / 11/8/2000
Chloroform	0.49	ug/l	0.24	0.76	1	J	8260	qh	11/8/2000 / 11/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/8/2000 / 11/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/8/2000 / 11/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/8/2000 / 11/8/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/8/2000 / 11/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/8/2000 / 11/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/8/2000 / 11/8/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/8/2000 / 11/8/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000845
 DATE REPORTED: 14-Nov-00
 DATE RECEIVED: 06-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Monthly Sampli
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/8/2000 / 11/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/8/2000 / 11/8/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/8/2000 / 11/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/8/2000 / 11/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/8/2000 / 11/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/8/2000 / 11/8/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/8/2000 / 11/8/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/8/2000 / 11/8/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/8/2000 / 11/8/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

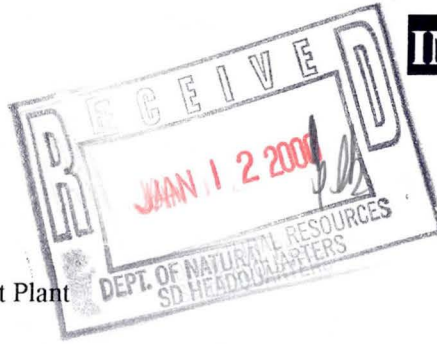
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



INORGANIC REPORT

James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

WDNR# 241340550
 INVOICE NUMBER 20000858
 DATE REPORTED: 04-Dec-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 22137										
Client ID: 001113WA01P										
							Collection:	11/13/2000	Time: 08:40	
							Sample Description:			
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	11/14/2000	995647	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	tm	11/17/2000	995681	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	JZ	11/13/2000	995641	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	11/17/2000	995681	
Copper - ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	tm	11/17/2000	995681	
Iron - ICAP	0.93	mg/l	RJ	0.081	0.26	200.7	tm	11/17/2000	995681	
Lead - Furnace AA	<1.5	ug/l		1.5	4.8	239.2	jz	11/17/2000	995676	
Manganese - ICAP	0.15	mg/l	RJ	0.006	0.02	200.7	tm	11/17/2000	995681	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	11/17/2000	995695	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	tm	11/17/2000	995681	
Selenium - Furnace AA	5.4	ug/l	J RJ	4.8	15	270.2	jz	11/21/2000	995705	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	11/17/2000	995681	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	11/13/2000	995644	
Zinc - ICAP	0.06	mg/l	RJ	0.014	0.04	200.7	tm	11/17/2000	995681	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D		11/14/2000		
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	11/15/2000	995659	
Cyanide, Total	0.01	mg/l	J	0.006	0.02	335.2	dmd	11/16/2000	995660	
pH (water)	7.3	s.u.	#			150.1	ogtp	11/13/2000	995635	

Nova Sample Number: 22138
 Client ID: 001113WA09R

Collection: 11/13/2000 Time: 08:57
 Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	11/14/2000	995647	
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	tm	11/17/2000	995681	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	JZ	11/13/2000	995641	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	11/17/2000	995681	
Copper - ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	tm	11/17/2000	995681	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	tm	11/17/2000	995681	
Lead - Furnace AA	<1.5	ug/l		1.5	4.8	239.2	jz	11/17/2000	995676	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	11/17/2000	995681	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	11/17/2000	995695	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	11/17/2000	995681	



INORGANIC REPORT

James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun , WI 53003

WDNR# 241340550

INVOICE NUMBER 20000858
 DATE REPORTED: 04-Dec-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	11/21/2000	995705	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	11/17/2000	995681	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	11/13/2000	995644	
Zinc - ICAP	0.06	mg/l	RJ	0.014	0.04	200.7	tm	11/17/2000	995681	

Nova Sample Number: 22139

Client ID: 001113WA02P

Collection: 11/13/2000 Time: 08:46

Sample Description:

pH (water) 9.6 s.u. # 150.1

ogtp 11/13/2000 995635

Nova Sample Number: 22140

Client ID: 001113WA03P

Collection: 11/13/2000 Time: 08:48

Sample Description:

pH (water) 12 s.u. # 150.1

ogtp 11/13/2000 995635

Nova Sample Number: 22141

Client ID: 001113WA05P

Collection: 11/13/2000 Time: 08:50

Sample Description:

pH (water) 8.2 s.u. # 150.1

ogtp 11/13/2000 995635

Nova Sample Number: 22145

Client ID: 001113WA09P

Collection: 11/13/2000 Time: 08:43

Sample Description:

Chromium, Hexavalent <0.0042 mg/l 0.004 0.01 SM 3500D 11/14/2000

Cyanide, Amenable <0.006 mg/l 0.006 0.02 335.2 dmd 11/15/2000 995659

Cyanide, Total <0.006 mg/l 0.006 0.02 335.2 dmd 11/16/2000 995660

pH (water) 8 s.u. # 150.1 ogtp 11/13/2000 995635



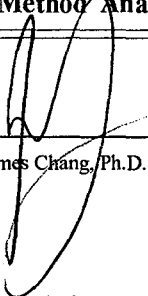
INORGANIC REPORT

James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun , WI 53003

WDNR# 241340550

INVOICE NUMBER: 20000858
 DATE REPORTED: 04-Dec-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By: 

James Chang, Ph.D. , Lab Director

Date: 12/1/00

RJ Result expressed as Total.

TTR Result expressed as total and total recoverable.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

"J" = Results between LOD and LOQ

"#" = no LOD or LOQ required.

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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James Chang
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 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000858
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22137									
Client ID: 001113WA01P									
	QC Prep Batch Number: 995667								
						Collection: 11/13/2000			Time: 08:40
						Sample Description:			
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	qh		1/14/2000 / 1/14/200
1,1,1-Trichloroethane	144	ug/l	1.6	4.9	5	8260	qh		1/14/2000 / 1/14/200
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		1/14/2000 / 1/14/200
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		1/14/2000 / 1/14/200
1,1-Dichloroethane	30	ug/l	1.6	5.1	5	8260	qh		1/14/2000 / 1/14/200
1,1-Dichloroethene	12	ug/l	1.7	5.4	5	8260	qh		1/14/2000 / 1/14/200
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5	8260	qh		1/14/2000 / 1/14/200
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5	8260	qh		1/14/2000 / 1/14/200
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5	8260	qh		1/14/2000 / 1/14/200
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5	8260	qh		1/14/2000 / 1/14/200
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5	8260	qh		1/14/2000 / 1/14/200
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5	8260	qh		1/14/2000 / 1/14/200
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		1/14/2000 / 1/14/200
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5	8260	qh		1/14/2000 / 1/14/200
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5	8260	qh		1/14/2000 / 1/14/200
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		1/14/2000 / 1/14/200
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		1/14/2000 / 1/14/200
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5	8260	qh		1/14/2000 / 1/14/200
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5	8260	qh		1/14/2000 / 1/14/200
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5	8260	qh		1/14/2000 / 1/14/200
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5	8260	qh		1/14/2000 / 1/14/200
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5	8260	qh		1/14/2000 / 1/14/200
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5	8260	qh		1/14/2000 / 1/14/200
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5	8260	qh		1/14/2000 / 1/14/200
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5	8260	qh		1/14/2000 / 1/14/200
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5	8260	qh		1/14/2000 / 1/14/200
Acetone	< 7.8	ug/l	7.8	25	5	8260	qh		1/14/2000 / 1/14/200
Benzene	< 1.4	ug/l	1.4	4.3	5	8260	qh		1/14/2000 / 1/14/200
Bromobenzene	< 1.6	ug/l	1.6	4.9	5	8260	qh		1/14/2000 / 1/14/200
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5	8260	qh		1/14/2000 / 1/14/200
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5	8260	qh		1/14/2000 / 1/14/200
Bromoform	< 2.0	ug/l	2.0	6.2	5	8260	qh		1/14/2000 / 1/14/200
Bromomethane	< 3.3	ug/l	3.3	10	5	8260	qh		1/14/2000 / 1/14/200
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5	8260	qh		1/14/2000 / 1/14/200
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		1/14/2000 / 1/14/200
Chloroethane	6.5	ug/l	3.2	10	5	8260	qh		1/14/2000 / 1/14/200
Chloroform	< 1.2	ug/l	1.2	3.8	5	8260	qh		1/14/2000 / 1/14/200
Chloromethane	< 2.5	ug/l	2.5	7.8	5	8260	qh		1/14/2000 / 1/14/200
cis-1,2-Dichloroethene	47	ug/l	1.4	4.3	5	8260	qh		1/14/2000 / 1/14/200
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5	8260	qh		1/14/2000 / 1/14/200
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5	8260	qh		1/14/2000 / 1/14/200

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warranties, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000858
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/14/2000 / 1/14/200
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/14/2000 / 1/14/200
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/14/2000 / 1/14/200
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	1/14/2000 / 1/14/200
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/14/2000 / 1/14/200
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/14/2000 / 1/14/200
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	1/14/2000 / 1/14/200
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/14/2000 / 1/14/200
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/14/2000 / 1/14/200
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/14/2000 / 1/14/200
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	1/14/2000 / 1/14/200
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	1/14/2000 / 1/14/200
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/14/2000 / 1/14/200
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/14/2000 / 1/14/200
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/14/2000 / 1/14/200
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/14/2000 / 1/14/200
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/14/2000 / 1/14/200
Tetrachloroethene	5.0	ug/l	1.6	4.9	5		8260	qh	1/14/2000 / 1/14/200
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	1/14/2000 / 1/14/200
trans-1,2-Dichloroethene	17	ug/l	1.3	4.0	5		8260	qh	1/14/2000 / 1/14/200
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/14/2000 / 1/14/200
Trichloroethene	466	ug/l	1.7	5.4	5		8260	qh	1/14/2000 / 1/14/200
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/14/2000 / 1/14/200
Vinyl chloride	1.4	ug/l	1.0	3.2	5	J	8260	qh	1/14/2000 / 1/14/200

Sample Number: 22142

QC Prep Batch Number: 995667

Collection: 11/13/2000

Time: 08:53

Client ID: 001113WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/14/2000 / 1/14/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2000 / 1/14/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2000 / 1/14/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2000 / 1/14/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/14/2000 / 1/14/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/14/2000 / 1/14/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/14/2000 / 1/14/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/14/2000 / 1/14/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2000 / 1/14/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/14/2000 / 1/14/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2000 / 1/14/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000858
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2000 / 1/14/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/14/2000 / 1/14/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/14/2000 / 1/14/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/14/2000 / 1/14/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/14/2000 / 1/14/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/14/2000 / 1/14/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/14/2000 / 1/14/2000
Chloroform	0.30	ug/l	0.24	0.76	1	J	8260	qh	1/14/2000 / 1/14/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/14/2000 / 1/14/2000
cis-1,2-Dichloroethene	0.33	ug/l	0.27	0.86	1	J	8260	qh	1/14/2000 / 1/14/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Dibromochloromethane	0.53	ug/l	0.41	1.3	1	J	8260	qh	1/14/2000 / 1/14/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2000 / 1/14/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/14/2000 / 1/14/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2000 / 1/14/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/14/2000 / 1/14/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2000 / 1/14/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/14/2000 / 1/14/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/14/2000 / 1/14/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/14/2000 / 1/14/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000858
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
Trichloroethene	1.5	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/14/2000 / 1/14/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/14/2000 / 1/14/2000

Sample Number: 22143

QC Prep Batch Number: 995667

Collection: 11/13/2000

Time: 08:55

Client ID: 001113WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/14/2000 / 1/14/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/2000
1,1,2,2-Tetrachloroethane	1.3	ug/l	0.44	1.4	1	J	8260	qh	1/14/2000 / 1/14/2000
1,1,2-Trichloroethane	0.54	ug/l	0.44	1.4	1	J	8260	qh	1/14/2000 / 1/14/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2000 / 1/14/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/14/2000 / 1/14/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/14/2000 / 1/14/2000
1,2,3-Trichloropropane	1.8	ug/l	0.51	1.6	1		8260	qh	1/14/2000 / 1/14/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/14/2000 / 1/14/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/2000
1,2-Dibromoethane	0.74	ug/l	0.46	1.5	1	J	8260	qh	1/14/2000 / 1/14/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2000 / 1/14/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
1,3-Dichloropropane	0.51	ug/l	0.39	1.2	1	J	8260	qh	1/14/2000 / 1/14/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,2-Dibromo-3-chloropropane	2.3	ug/l	0.33	1.0	1		8260	qh	1/14/2000 / 1/14/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/14/2000 / 1/14/2000
2-Chloroethyl Vinyl Ether	1.0	ug/l	0.70	2.2	1	J	8260	qh	1/14/2000 / 1/14/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/14/2000 / 1/14/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/14/2000 / 1/14/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/14/2000 / 1/14/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/14/2000 / 1/14/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000858
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	0.42	ug/l	0.24	0.76	1	J	8260	qh	1/14/2000 / 1/14/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/14/2000 / 1/14/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2000 / 1/14/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/14/2000 / 1/14/200
Dibromomethane	0.51	ug/l	0.46	1.5	1	J	8260	qh	1/14/2000 / 1/14/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/14/2000 / 1/14/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2000 / 1/14/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/14/2000 / 1/14/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2000 / 1/14/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/14/2000 / 1/14/200
Naphthalene	1.1	ug/l	0.75	2.4	1	J	8260	qh	1/14/2000 / 1/14/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/14/2000 / 1/14/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/200
Trichloroethene	0.73	ug/l	0.34	1.1	1	J	8260	qh	1/14/2000 / 1/14/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/14/2000 / 1/14/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/14/2000 / 1/14/200

Sample Number: 22144

QC Prep Batch Number: 995667

Collection: 11/13/2000

Time:

Client ID: Trip Blank

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/14/2000 / 1/14/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2000 / 1/14/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2000 / 1/14/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2000 / 1/14/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/14/2000 / 1/14/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/14/2000 / 1/14/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/14/2000 / 1/14/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/14/2000 / 1/14/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200



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 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000858
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2000 / 1/14/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2000 / 1/14/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2000 / 1/14/2000
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2000 / 1/14/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/14/2000 / 1/14/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/14/2000 / 1/14/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/14/2000 / 1/14/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/14/2000 / 1/14/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/14/2000 / 1/14/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/14/2000 / 1/14/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/14/2000 / 1/14/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/14/2000 / 1/14/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/14/2000 / 1/14/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2000 / 1/14/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/14/2000 / 1/14/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2000 / 1/14/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/14/2000 / 1/14/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2000 / 1/14/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/14/2000 / 1/14/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/14/2000 / 1/14/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000858
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/14/2000 / 1/14/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/14/2000 / 1/14/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/14/2000 / 1/14/200

Sample Number: 22145

QC Prep Batch Number: 995667

Collection: 11/13/2000

Time: 08:43

Client ID: 001113WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/14/2000 / 1/14/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2000 / 1/14/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2000 / 1/14/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2000 / 1/14/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/14/2000 / 1/14/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/14/2000 / 1/14/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/14/2000 / 1/14/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/14/2000 / 1/14/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2000 / 1/14/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/14/2000 / 1/14/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2000 / 1/14/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2000 / 1/14/200
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2000 / 1/14/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/14/2000 / 1/14/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/14/2000 / 1/14/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/14/2000 / 1/14/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/14/2000 / 1/14/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2000 / 1/14/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/14/2000 / 1/14/200



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000858
DATE REPORTED: 17-Nov-00
DATE RECEIVED: 13-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/14/2000 / 1/14/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/14/2000 / 1/14/200
Chloroform	0.49	ug/l	0.24	0.76	1	J	8260	qh	1/14/2000 / 1/14/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/14/2000 / 1/14/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2000 / 1/14/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/14/2000 / 1/14/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2000 / 1/14/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2000 / 1/14/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/14/2000 / 1/14/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2000 / 1/14/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/14/2000 / 1/14/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2000 / 1/14/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2000 / 1/14/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/14/2000 / 1/14/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/14/2000 / 1/14/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2000 / 1/14/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2000 / 1/14/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/14/2000 / 1/14/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2000 / 1/14/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2000 / 1/14/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2000 / 1/14/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/14/2000 / 1/14/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/14/2000 / 1/14/200



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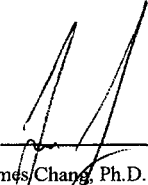
ORGANIC REPORT

WDNR# 241340550

James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

BATCH NUMBER: 20000858
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 13-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Weekly Samplin
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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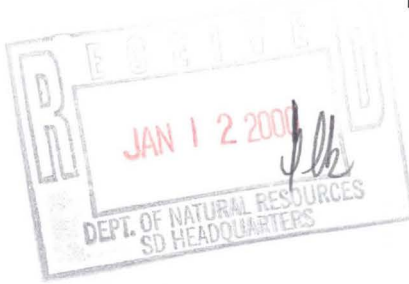
Approved By:  Date: 12/14/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



Dr. James Chang
 APL Environmental
 8222 W. Calumet Road
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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000877
 DATE REPORTED: 04-Dec-00
 DATE RECEIVED: 21-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Oconomowoc

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 22212										
Client ID: 001120WA01P										
							Collection: 11/20/2000	Time: 13:10		
Sample Description:										
Arsenic - Furnace AA	12	ug/l	J RJ	5.6	18	206.2	tm	11/22/2000	995725	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	tm	11/28/2000	995776	
Cadmium - Furnace AA	<4	ug/l	TTR	0.4	1.3	213.2	jz	11/21/2000	995717	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	11/28/2000	995776	
Copper - ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	tm	11/28/2000	995776	
Iron - ICAP	1.2	mg/l	RJ	0.081	0.26	200.7	tm	11/28/2000	995776	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jz	11/22/2000	995727	
Manganese - ICAP	0.11	mg/l	RJ	0.006	0.02	200.7	tm	11/28/2000	995776	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	jz tm	11/28/2000	995768	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	11/28/2000	995776	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	11/21/2000	995718	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	11/28/2000	995776	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	11/29/2000	995791	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	tm	11/28/2000	995776	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	12805	11/21/2000	995762	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	11/28/2000	995780	
Cyanide, Total	0.02	mg/l		0.006	0.02	335.2	dmd	11/28/2000	995781	
pH (water)	7.5	s.u.	#			150.1	ocon	11/22/2000	995716	

Nova Sample Number: 22213										
Client ID: 001120WA02P										
							Collection: 11/20/2000	Time: 13:25		
Sample Description:										
pH (water)	9.4	s.u.	#			150.1	ocon	11/22/2000	995716	

Nova Sample Number: 22214										
Client ID: 001120WA03P										
							Collection: 11/20/2000	Time: 13:18		
Sample Description:										
pH (water)	12	s.u.	#			150.1	ocon	11/22/2000	995716	

Nova Sample Number: 22215										
Client ID: 001120WA05P										
							Collection: 11/20/2000	Time:		
Sample Description:										
pH (water)	9.1	s.u.	#			150.1	ocon	11/22/2000	995716	



INORGANIC REPORT

Dr. James Chang
 APL Environmental
 8222 W. Calumet Road
 Milwaukee, WI 53223

WDNR# 241340550

INVOICE NUMBER: 20000877
 DATE REPORTED: 04-Dec-00
 DATE RECEIVED: 21-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 22219										
Client ID: 001120WA0P										
							Collection: 11/20/2000	Time:		
							Sample Description:			
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	12805	11/21/2000	995762	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	11/28/2000	995780	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	11/28/2000	995781	
pH (water)	7.6	s.u.	#			150.1	ocon	11/22/2000	995716	

Nova Sample Number: 22220										
Client ID: 001120WAP9R										
							Collection: 11/20/2000	Time:		
							Sample Description:			
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	11/22/2000	995725	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	tm	11/28/2000	995776	
Cadmium - Furnace AA	<.4	ug/l	TTR	0.4	1.3	213.2	jz	11/21/2000	995717	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	11/28/2000	995776	
Copper - ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	tm	11/28/2000	995776	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	tm	11/28/2000	995776	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jz	11/22/2000	995727	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	11/28/2000	995776	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	jz tm	11/28/2000	995768	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	11/28/2000	995776	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	11/21/2000	995718	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	11/28/2000	995776	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	11/29/2000	995791	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	tm	11/28/2000	995776	

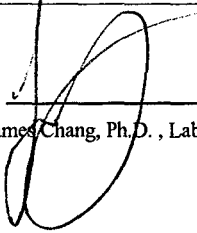


INORGANIC REPORT

Dr. James Chang
APL Environmental
8222 W. Calumet Road
Milwaukee, WI 53223

WDNR# 241340550
INVOICE NUMBER 20000877
DATE REPORTED: 04-Dec-00
DATE RECEIVED: 21-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By:  Date: 12/4/00
James Chang, Ph.D., Lab Director

RJ Result expressed as Total.
TTR Result expressed as total and total recoverable.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000877
 DATE REPORTED: 29-Nov-00
 DATE RECEIVED: 21-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Oconomowoc

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22212									
Client ID: 001120WA01P									
	QC Prep Batch Number:		995784						
						Collection: 11/20/2000			Time: 13:10
						Sample Description:			
1,1,1,2-Tetrachloroethane	< 11	ug/l	11	35	50	8260	qh		1/22/2000 / 1/22/2000
1,1,1-Trichloroethane	< 16	ug/l	16	49	50	8260	qh		1/22/2000 / 1/22/2000
1,1,2,2-Tetrachloroethane	< 22	ug/l	22	70	50	8260	qh		1/22/2000 / 1/22/2000
1,1,2-Trichloroethane	< 22	ug/l	22	70	50	8260	qh		1/22/2000 / 1/22/2000
1,1-Dichloroethane	< 16	ug/l	16	51	50	8260	qh		1/22/2000 / 1/22/2000
1,1-Dichloroethene	< 17	ug/l	17	54	50	8260	qh		1/22/2000 / 1/22/2000
1,1-Dichloropropene	< 22	ug/l	22	68	50	8260	qh		1/22/2000 / 1/22/2000
1,2,3-Trichlorobenzene	< 25	ug/l	25	80	50	8260	qh		1/22/2000 / 1/22/2000
1,2,3-Trichloropropane	< 26	ug/l	26	81	50	8260	qh		1/22/2000 / 1/22/2000
1,2,4-Trichlorobenzene	< 24	ug/l	24	75	50	8260	qh		1/22/2000 / 1/22/2000
1,2,4-Trimethylbenzene	< 15	ug/l	15	48	50	8260	qh		1/22/2000 / 1/22/2000
1,2-Dibromoethane	< 23	ug/l	23	73	50	8260	qh		1/22/2000 / 1/22/2000
1,2-Dichlorobenzene	< 17	ug/l	17	54	50	8260	qh		1/22/2000 / 1/22/2000
1,2-Dichloroethane	< 18	ug/l	18	56	50	8260	qh		1/22/2000 / 1/22/2000
1,2-Dichloropropane	< 16	ug/l	16	51	50	8260	qh		1/22/2000 / 1/22/2000
1,3,5-Trimethylbenzene	< 17	ug/l	17	54	50	8260	qh		1/22/2000 / 1/22/2000
1,3-Dichlorobenzene	< 13	ug/l	13	41	50	8260	qh		1/22/2000 / 1/22/2000
1,3-Dichloropropane	< 20	ug/l	20	62	50	8260	qh		1/22/2000 / 1/22/2000
1,4-Dichlorobenzene	< 18	ug/l	18	57	50	8260	qh		1/22/2000 / 1/22/2000
1,2-Dibromo-3-chloropropan	< 17	ug/l	17	52	50	8260	qh		1/22/2000 / 1/22/2000
2,2-Dichloropropane	< 14	ug/l	14	43	50	8260	qh		1/22/2000 / 1/22/2000
2-Butanone (MEK)	< 69	ug/l	69	220	50	8260	qh		1/22/2000 / 1/22/2000
2-Chloroethyl Vinyl Ether	< 35	ug/l	35	111	50	8260	qh		1/22/2000 / 1/22/2000
2-Chlorotoluene	< 15	ug/l	15	48	50	8260	qh		1/22/2000 / 1/22/2000
4-Chlorotoluene	< 13	ug/l	13	41	50	8260	qh		1/22/2000 / 1/22/2000
4-Methyl-2-Pentanone	< 40	ug/l	40	127	50	8260	qh		1/22/2000 / 1/22/2000
Acetone	< 78	ug/l	78	247	50	8260	qh		1/22/2000 / 1/22/2000
Benzene	< 14	ug/l	14	43	50	8260	qh		1/22/2000 / 1/22/2000
Bromobenzene	< 16	ug/l	16	49	50	8260	qh		1/22/2000 / 1/22/2000
Bromochloromethane	< 19	ug/l	19	59	50	8260	qh		1/22/2000 / 1/22/2000
Bromodichloromethane	< 19	ug/l	19	60	50	8260	qh		1/22/2000 / 1/22/2000
Bromoform	< 20	ug/l	20	62	50	8260	qh		1/22/2000 / 1/22/2000
Bromomethane	< 33	ug/l	33	103	50	8260	qh		1/22/2000 / 1/22/2000
Carbon tetrachloride	< 14	ug/l	14	43	50	8260	qh		1/22/2000 / 1/22/2000
Chlorobenzene	< 13	ug/l	13	41	50	8260	qh		1/22/2000 / 1/22/2000
Chloroethane	< 32	ug/l	32	102	50	8260	qh		1/22/2000 / 1/22/2000
Chloroform	< 12	ug/l	12	38	50	8260	qh		1/22/2000 / 1/22/2000
Chloromethane	< 25	ug/l	25	78	50	8260	qh		1/22/2000 / 1/22/2000
cis-1,2-Dichloroethene	43	ug/l	14	43	50	8260	qh		1/22/2000 / 1/22/2000
cis-1,3-Dichloropropene	< 19	ug/l	19	59	50	8260	qh		1/22/2000 / 1/22/2000
Dibromochloromethane	< 21	ug/l	21	65	50	8260	qh		1/22/2000 / 1/22/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000877
DATE REPORTED: 29-Nov-00
DATE RECEIVED: 21-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: Oconomowoc

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 23	ug/l	23	73	50		8260	qh	1/22/2000 / 1/22/2000
Dichlorodifluoromethane	< 14	ug/l	14	43	50		8260	qh	1/22/2000 / 1/22/2000
Ethylbenzene	< 13	ug/l	13	40	50		8260	qh	1/22/2000 / 1/22/2000
Hexachlorobutadiene	< 21	ug/l	21	67	50		8260	qh	1/22/2000 / 1/22/2000
Isopropyl Ether	< 15	ug/l	15	48	50		8260	qh	1/22/2000 / 1/22/2000
Isopropylbenzene	< 17	ug/l	17	52	50		8260	qh	1/22/2000 / 1/22/2000
m&p-xylene	< 27	ug/l	27	84	50		8260	qh	1/22/2000 / 1/22/2000
Methyl-t-butyl ether	< 20	ug/l	20	62	50		8260	qh	1/22/2000 / 1/22/2000
Methylene chloride	< 15	ug/l	15	48	50		8260	qh	1/22/2000 / 1/22/2000
n-Butylbenzene	< 18	ug/l	18	57	50		8260	qh	1/22/2000 / 1/22/2000
n-Propylbenzene	< 14	ug/l	14	45	50		8260	qh	1/22/2000 / 1/22/2000
Naphthalene	< 38	ug/l	38	119	50		8260	qh	1/22/2000 / 1/22/2000
o-xylene	< 13	ug/l	13	40	50		8260	qh	1/22/2000 / 1/22/2000
p-Isopropyltoluene	< 16	ug/l	16	49	50		8260	qh	1/22/2000 / 1/22/2000
sec-Butylbenzene	< 17	ug/l	17	54	50		8260	qh	1/22/2000 / 1/22/2000
Styrene	< 13	ug/l	13	40	50		8260	qh	1/22/2000 / 1/22/2000
tert-Butylbenzene	< 15	ug/l	15	48	50		8260	qh	1/22/2000 / 1/22/2000
Tetrachloroethene	< 16	ug/l	16	49	50		8260	qh	1/22/2000 / 1/22/2000
Toluene	< 15	ug/l	15	46	50		8260	qh	1/22/2000 / 1/22/2000
trans-1,2-Dichloroethene	< 13	ug/l	13	40	50		8260	qh	1/22/2000 / 1/22/2000
trans-1,3-Dichloropropene	< 13	ug/l	13	41	50		8260	qh	1/22/2000 / 1/22/2000
Trichloroethene	455	ug/l	17	54	50		8260	qh	1/22/2000 / 1/22/2000
Trichlorofluoromethane	< 12	ug/l	12	38	50		8260	qh	1/22/2000 / 1/22/2000
Vinyl chloride	< 10	ug/l	10	32	50		8260	qh	1/22/2000 / 1/22/2000

Sample Number: 22216

QC Prep Batch Number: 995784

Collection: 11/20/2000

Time:

Client ID: 001120WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/22/2000 / 1/22/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/22/2000 / 1/22/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/22/2000 / 1/22/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/22/2000 / 1/22/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2000 / 1/22/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000877
DATE REPORTED: 29-Nov-00
DATE RECEIVED: 21-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: Oconomowoc

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2000 / 1/22/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/22/2000 / 1/22/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/22/2000 / 1/22/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/22/2000 / 1/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/22/2000 / 1/22/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/22/2000 / 1/22/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/22/2000 / 1/22/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2000 / 1/22/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/22/2000 / 1/22/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/22/2000 / 1/22/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2000 / 1/22/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/22/2000 / 1/22/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2000 / 1/22/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/22/2000 / 1/22/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2000 / 1/22/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/22/2000 / 1/22/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/22/2000 / 1/22/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/22/2000 / 1/22/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000877
DATE REPORTED: 29-Nov-00
DATE RECEIVED: 21-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: Oconomowoc

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
Trichloroethene	0.98	ug/l	0.34	1.1	1	J	8260	qh	1/22/2000 / 1/22/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2000 / 1/22/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/22/2000 / 1/22/2000

Sample Number: 22217

QC Prep Batch Number: 995784

Collection: 11/20/2000

Time:

Client ID: 001120WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/22/2000 / 1/22/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/22/2000 / 1/22/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/22/2000 / 1/22/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/22/2000 / 1/22/2000
1,2,4-Trimethylbenzene	0.31	ug/l	0.30	0.95	1	J	8260	qh	1/22/2000 / 1/22/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2000 / 1/22/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2000 / 1/22/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/22/2000 / 1/22/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/22/2000 / 1/22/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/22/2000 / 1/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/22/2000 / 1/22/2000
Benzene	0.53	ug/l	0.27	0.86	1	J	8260	qh	1/22/2000 / 1/22/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/22/2000 / 1/22/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/22/2000 / 1/22/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000877
 DATE REPORTED: 29-Nov-00
 DATE RECEIVED: 21-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Oconomowoc

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	0.40	ug/l	0.24	0.76	1	J	8260	qh	1/22/2000 / 1/22/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/22/2000 / 1/22/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/22/2000 / 1/22/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2000 / 1/22/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
Ethylbenzene	0.34	ug/l	0.25	0.80	1	J	8260	qh	1/22/2000 / 1/22/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/22/2000 / 1/22/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2000 / 1/22/2000
m&p-xylene	0.82	ug/l	0.53	1.7	1	J	8260	qh	1/22/2000 / 1/22/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2000 / 1/22/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/22/2000 / 1/22/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/22/2000 / 1/22/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/22/2000 / 1/22/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2000 / 1/22/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/22/2000 / 1/22/2000

Sample Number: 22218

QC Prep Batch Number: 995784

Collection: 11/20/2000

Time:

Client ID: Trip Blank

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/22/2000 / 1/22/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/22/2000 / 1/22/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/22/2000 / 1/22/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/22/2000 / 1/22/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000877
 DATE REPORTED: 29-Nov-00
 DATE RECEIVED: 21-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Oconomowoc

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2000 / 1/22/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2000 / 1/22/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/22/2000 / 1/22/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/22/2000 / 1/22/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/22/2000 / 1/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/22/2000 / 1/22/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/22/2000 / 1/22/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/22/2000 / 1/22/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2000 / 1/22/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/22/2000 / 1/22/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/22/2000 / 1/22/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2000 / 1/22/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/22/2000 / 1/22/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2000 / 1/22/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/22/2000 / 1/22/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2000 / 1/22/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/22/2000 / 1/22/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/22/2000 / 1/22/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000877
 DATE REPORTED: 29-Nov-00
 DATE RECEIVED: 21-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Oconomowoc

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/22/2000 / 1/22/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2000 / 1/22/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/22/2000 / 1/22/2000

Sample Number: 22219

QC Prep Batch Number: 995784

Collection: 11/20/2000

Time:

Client ID: 001120WA0P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/22/2000 / 1/22/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/22/2000 / 1/22/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/22/2000 / 1/22/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/22/2000 / 1/22/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/22/2000 / 1/22/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2000 / 1/22/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2000 / 1/22/2000
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2000 / 1/22/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/22/2000 / 1/22/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/22/2000 / 1/22/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/22/2000 / 1/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/22/2000 / 1/22/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2000 / 1/22/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/22/2000 / 1/22/2000



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000877
DATE REPORTED: 29-Nov-00
DATE RECEIVED: 21-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/22/2000 / 1/22/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/22/2000 / 1/22/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2000 / 1/22/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/22/2000 / 1/22/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2000 / 1/22/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/22/2000 / 1/22/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2000 / 1/22/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2000 / 1/22/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/22/2000 / 1/22/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2000 / 1/22/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/22/2000 / 1/22/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2000 / 1/22/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2000 / 1/22/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/22/2000 / 1/22/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/22/2000 / 1/22/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2000 / 1/22/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2000 / 1/22/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/22/2000 / 1/22/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2000 / 1/22/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2000 / 1/22/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2000 / 1/22/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2000 / 1/22/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/22/2000 / 1/22/200



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000877
 DATE REPORTED: 29-Nov-00
 DATE RECEIVED: 21-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By: 

James Chang, Ph.D., Lab Director

Date: 11/27/00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

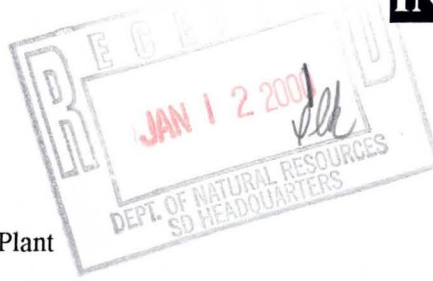
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



INORGANIC REPORT

James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003



WDNR# 241340550
 INVOICE NUMBER 20000885
 DATE REPORTED: 04-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Sampling

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 22237										
Client ID: 001127WA01P										
							Collection: 11/27/2000	Time: 09:47		
Sample Description:										
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	11/30/2000	995800	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	tm	12/1/2000	995814	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	11/29/2000	995799	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	12/1/2000	995814	
Copper- ICAP	0.007	mg/l	J RJ	0.006	0.02	200.7	tm	12/1/2000	995814	
Iron - ICAP	0.8	mg/l	RJ	0.081	0.26	200.7	tm	12/1/2000	995814	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jz	11/28/2000	995783	
Manganese - ICAP	0.15	mg/l	RJ	0.006	0.02	200.7	tm	12/1/2000	995814	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	jz tm	11/28/2000	995768	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	tm	12/1/2000	995814	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	12/1/2000	995826	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	12/1/2000	995814	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	11/29/2000	995791	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	tm	12/1/2000	995814	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D 41435		11/28/2000	995828	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	11/28/2000	995780	
Cyanide, Total	0.02	mg/l		0.006	0.02	335.2	dmd	11/28/2000	995781	
pH (water)	7.7	s.u.	#			150.1	ogtc	11/27/2000	995757	

Nova Sample Number: 22238
 Client ID: 001127WA09R

Collection: 11/27/2000 Time: 11:35
 Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	11/30/2000	995800	
Barium - ICAP	<0.007	mg/l	RJ	0.007	0.02	200.7	tm	12/1/2000	995814	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	11/29/2000	995799	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	12/1/2000	995814	
Copper- ICAP	0.008	mg/l	J RJ	0.006	0.02	200.7	tm	12/1/2000	995814	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	tm	12/1/2000	995814	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jz	11/28/2000	995783	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	12/1/2000	995814	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	jz tm	11/28/2000	995768	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	12/1/2000	995814	



INORGANIC REPORT

James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun , WI 53003

WDNR# 241340550

INVOICE NUMBER 20000885
 DATE REPORTED: 04-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Sampling

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	12/1/2000	995826	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	12/1/2000	995814	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	11/29/2000	995791	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	tm	12/1/2000	995814	

Nova Sample Number: 22239
 Client ID: 001127WA02P

Collection: 11/27/2000 Time: 09:50

Sample Description:

pH (water) 9.9 s.u. # 150.1

ogtc 11/27/2000 995757

Nova Sample Number: 22240
 Client ID: 001127WA03P

Collection: 11/27/2000 Time: 09:52

Sample Description:

pH (water) 12 s.u. # 150.1

ogtc 11/27/2000 995757

Nova Sample Number: 22241
 Client ID: 001127WA05P

Collection: 11/27/2000 Time: 10:00

Sample Description:

pH (water) 8 s.u. # 150.1

ogtc 11/27/2000 995757

Nova Sample Number: 22245
 Client ID: 001127WA09P

Collection: 11/27/2000 Time: 09:40

Sample Description:

Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	41435	11/28/2000	995828	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	11/28/2000	995780	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	11/28/2000	995781	
pH (water)	7.8	s.u.	#				150.1	ogtc	11/27/2000	995757



INORGANIC REPORT

James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

WDNR# 241340550
 INVOICE NUMBER **2000885**
 DATE REPORTED: 04-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Sampling

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By: _____

James Chang, Ph.D., Lab Director

Date: _____

12/4/00

RJ Result expressed as Total.

TTR Result expressed as total and total recoverable.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

"J" = Results between LOD and LOQ

"#" = no LOD or LOQ required.

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000885
 DATE REPORTED: 05-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Samplin

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22237									
Client ID: 001127WA01P									
QC Prep Batch Number: 995802									
Collection: 11/27/2000									
Time: 09:47									
Sample Description:									
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	1/28/2000 /
1,1,1-Trichloroethane	158	ug/l	1.6	4.9	5		8260	qh	1/28/2000 /
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/28/2000 /
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/28/2000 /
1,1-Dichloroethane	27	ug/l	1.6	5.1	5		8260	qh	1/28/2000 /
1,1-Dichloroethene	15	ug/l	1.7	5.4	5		8260	qh	1/28/2000 /
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	1/28/2000 /
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	1/28/2000 /
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	1/28/2000 /
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	1/28/2000 /
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2000 /
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/28/2000 /
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/28/2000 /
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	1/28/2000 /
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	1/28/2000 /
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/28/2000 /
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/28/2000 /
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/28/2000 /
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/28/2000 /
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/28/2000 /
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/28/2000 /
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	1/28/2000 /
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	1/28/2000 /
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2000 /
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/28/2000 /
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	1/28/2000 /
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	1/28/2000 /
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/28/2000 /
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/28/2000 /
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/28/2000 /
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	1/28/2000 /
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/28/2000 /
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	1/28/2000 /
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/28/2000 /
Chlorobenzene	2.0	ug/l	1.3	4.1	5	J	8260	qh	1/28/2000 /
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	1/28/2000 /
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/28/2000 /
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	1/28/2000 /
cis-1,2-Dichloroethene	42	ug/l	1.4	4.3	5		8260	qh	1/28/2000 /
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/28/2000 /
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	1/28/2000 /



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James Chang
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 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000885
 DATE REPORTED: 05-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Samplin

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/28/2000 /
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/28/2000 /
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/28/2000 /
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	1/28/2000 /
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2000 /
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/28/2000 /
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	1/28/2000 /
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/28/2000 /
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2000 /
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/28/2000 /
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	1/28/2000 /
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	1/28/2000 /
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/28/2000 /
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/28/2000 /
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/28/2000 /
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/28/2000 /
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2000 /
Tetrachloroethene	4.1	ug/l	1.6	4.9	5	J	8260	qh	1/28/2000 /
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	1/28/2000 /
trans-1,2-Dichloroethene	14	ug/l	1.3	4.0	5		8260	qh	1/28/2000 /
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/28/2000 /
Trichloroethene	496	ug/l	1.7	5.4	5		8260	qh	1/28/2000 /
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/28/2000 /
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	1/28/2000 /

Sample Number: 22242

QC Prep Batch Number: 995802

Collection: 11/27/2000

Time:

Client ID: Trip Blank

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/28/2000 / 1/28/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2000 / 1/28/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2000 / 1/28/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2000 / 1/28/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/28/2000 / 1/28/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/28/2000 / 1/28/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/28/2000 / 1/28/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/28/2000 / 1/28/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2000 / 1/28/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000885
 DATE REPORTED: 05-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Samplin

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2000 / 1/28/200
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2000 / 1/28/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/28/2000 / 1/28/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/28/2000 / 1/28/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/28/2000 / 1/28/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/28/2000 / 1/28/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2000 / 1/28/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/28/2000 / 1/28/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/28/2000 / 1/28/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/28/2000 / 1/28/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2000 / 1/28/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/28/2000 / 1/28/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2000 / 1/28/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/28/2000 / 1/28/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2000 / 1/28/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/28/2000 / 1/28/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2000 / 1/28/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/28/2000 / 1/28/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2000 / 1/28/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/28/2000 / 1/28/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/28/2000 / 1/28/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/28/2000 / 1/28/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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James Chang
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 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000885
 DATE REPORTED: 05-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Samplin

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2000 / 1/28/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/28/2000 / 1/28/2000

Sample Number: 22243

QC Prep Batch Number: 995802

Collection: 11/27/2000

Time: 09:45

Client ID: 001127WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/28/2000 / 1/28/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2000 / 1/28/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2000 / 1/28/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2000 / 1/28/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/28/2000 / 1/28/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/28/2000 / 1/28/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/28/2000 / 1/28/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/28/2000 / 1/28/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2000 / 1/28/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2000 / 1/28/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/28/2000 / 1/28/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/28/2000 / 1/28/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/28/2000 / 1/28/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/28/2000 / 1/28/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/28/2000 / 1/28/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/28/2000 / 1/28/2000



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James Chang
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 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000885
 DATE REPORTED: 05-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Samplin

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2000 / 1/28/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/28/2000 / 1/28/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/28/2000 / 1/28/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2000 / 1/28/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/28/2000 / 1/28/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2000 / 1/28/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/28/2000 / 1/28/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2000 / 1/28/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/28/2000 / 1/28/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/28/2000 / 1/28/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000
Tetrachloroethene	1.1	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/28/2000 / 1/28/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2000 / 1/28/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/28/2000 / 1/28/2000

Sample Number: 22244

QC Prep Batch Number: 995802

Collection: 11/27/2000

Time: 09:42

Client ID: 001127WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/28/2000 / 1/28/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2000 / 1/28/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2000 / 1/28/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2000 / 1/28/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/28/2000 / 1/28/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/28/2000 / 1/28/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/28/2000 / 1/28/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/28/2000 / 1/28/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000



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James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000885
 DATE REPORTED: 05-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Samplin

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2000 / 1/28/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2000 / 1/28/2000
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2000 / 1/28/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/28/2000 / 1/28/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/28/2000 / 1/28/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/28/2000 / 1/28/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/28/2000 / 1/28/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/28/2000 / 1/28/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/28/2000 / 1/28/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2000 / 1/28/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/28/2000 / 1/28/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/28/2000 / 1/28/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2000 / 1/28/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/28/2000 / 1/28/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2000 / 1/28/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/28/2000 / 1/28/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2000 / 1/28/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/28/2000 / 1/28/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/28/2000 / 1/28/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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James Chang
 Oconomowoc Groundwater Treatment Plant
 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000885
 DATE REPORTED: 05-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Samplin

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/28/2000 / 1/28/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2000 / 1/28/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/28/2000 / 1/28/200

Sample Number: 22245

QC Prep Batch Number: 995802

Collection: 11/27/2000

Time: 09:40

Client ID: 001127WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/28/2000 / 1/28/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2000 / 1/28/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2000 / 1/28/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2000 / 1/28/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/28/2000 / 1/28/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/28/2000 / 1/28/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/28/2000 / 1/28/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/28/2000 / 1/28/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2000 / 1/28/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/28/2000 / 1/28/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2000 / 1/28/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2000 / 1/28/200
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2000 / 1/28/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/28/2000 / 1/28/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/28/2000 / 1/28/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/28/2000 / 1/28/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/28/2000 / 1/28/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2000 / 1/28/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/28/2000 / 1/28/200



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James Chang
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 2572 Oak St.
 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000885
 DATE REPORTED: 05-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Samplin

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/28/2000 / 1/28/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/28/2000 / 1/28/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2000 / 1/28/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/28/2000 / 1/28/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2000 / 1/28/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/28/2000 / 1/28/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2000 / 1/28/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2000 / 1/28/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/28/2000 / 1/28/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2000 / 1/28/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/28/2000 / 1/28/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2000 / 1/28/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2000 / 1/28/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/28/2000 / 1/28/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/28/2000 / 1/28/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2000 / 1/28/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2000 / 1/28/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/28/2000 / 1/28/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2000 / 1/28/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2000 / 1/28/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2000 / 1/28/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2000 / 1/28/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/28/2000 / 1/28/200



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James Chang
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 Ashippun, WI 53003

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000885
 DATE REPORTED: 05-Dec-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME: Weekly Samplin

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By: _____

James Chang, Ph.D., Lab Director

Date: 12/5/00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.