February 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 January, 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

Dean Groleau, Plant Superintendent
APL, Inc.

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

8222 W. Calumet Road, P. O. Box 23785, Milwaukee, WI 53223 (414) 355-5800 • Fax#: (414) 355-3099
Wisconsin Dept. of Natural Resources Certificate #241340550

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

February 15, 2000

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for January, 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 Scott Harrison, Tony Goodman, and Dave Dugan 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.

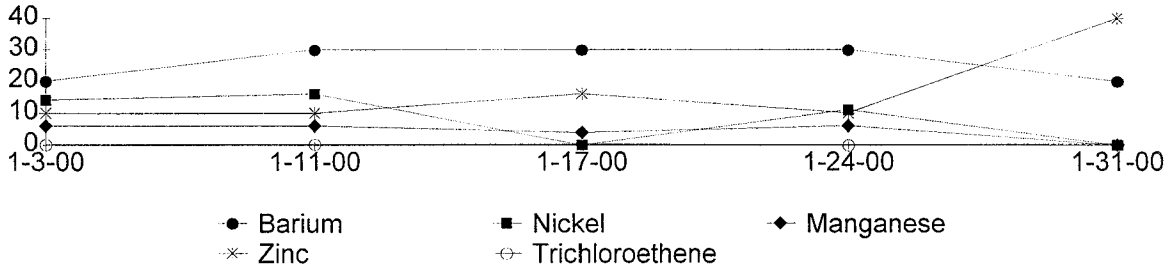
1.3 Effluent Monitoring

Weekly monitoring was conducted on January 3, 11, 17, 24, and 31. The weekly samples for January were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in January 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

There were no plant permit exceedences during the month of January of 2000.

3.0 Treatment Plant Shut Downs

The Treatment Plant were three shut down times for a total of 13.75 hours in January, 2000. The shut downs were due to Scheduled Maintenance, Low Equalization Tank Level, and Crystallized Sodium Hydroxide Feed Line. Table 1 shows the summary of the plant down times for the month of January, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
1-21-00	1	Scheduled Maintenance Shut Down
1-25-00	2	Crystallized Sodium Hydroxide Feed Line
1-28/29-00	10.75	Low Equalization Tank Level
TOTAL	**13.75**	

3.1 Shut Down Due To Scheduled Maintenance

On January 21, at 8:00 A.M., the treatment plant was shut down to remove the sludge from the Rapid Mix Tank (RMT-301), Flocculation Tank (FT-311), and Clarifier (C-400). The treatment plant was restarted at 9:00 A.M. APL, WDNR, and USACE were notified. The total down time was 1 hour.

3.2 Shut Down Due To Crystallized Sodium Hydroxide Feed Line

On January 25, it was discovered that there was no flocculation occurring in the Flocculation Tank (FT-311) and low pH's in all stages of the Metals Package upon the arrival of the operator. The operator found that all 3 Sodium Hydroxide Feed Pumps (SHP-261/262/361) were all air-locked. An attempt to purge the air from the pumps failed and at 6:30 A.M. the Treatment Plant was shut down. The feed line from the pumping station flange to the Sodium Hydroxide Tank (SHT-260) isolation valve was removed, cleaned out of crystallization, and reinstalled. There was still no flow to the pumps, so an attempt to backflush the line with air pressure and hot water was made but both attempts failed. The SHT-260 flange assembly was heated with a propane torch but that attempt also failed. The feed line was removed again and the isolation valve was opened but very little flow was observed. The isolation valve assembly was removed, inspected, and found to be clogged with crystallization. The isolation valve assembly was

cleaned and the tank flange was rodded out. The isolation valve assembly was reinstalled and about 20 gallons of Sodium Hydroxide was lost. The piping was reassembled, SHP-261/262/361 were primed, and the Treatment Plant was restarted at 8:30 A.M. The pH's and flocculation returned to normal in the Metals Package at 10:30 A.M. APL, WDNR, and USACE were notified. The total down time was 2 hours.

3.3 Shut Down Due To Low Equalization Tank Level

At the beginning of the work day, on January 29, the Treatment Plant was discovered shut down due to a low level in the Equalization Tank (EQT-100). When the EQT-100 level drops below 25% full, the Treatment Plant will shut down automatically until the EQT-100 level reaches 55% full. The operator notified the Treatment Plant Superintendent for guidance and several flows were borrowed to speed up the filling of the EQT-100 to reduce down time. The reason for the shut down was that the Treatment Plant flow exceeded the flow into the EQT-100. The Treatment Plant was not adequately slowed down at the end of the work day on January 28. APL, WDNR, and USACE were notified. The total down time was 10.75 hours.

4.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on January 3, 11, 17, 24, and 31 of 2000. The laboratory results of these samples show that all contaminants 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 January, 2000, the plant was shut down three times for a total of 13.75 hours. See Table 1, Section 3.0 for shut down times. 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 February 15, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-3-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.2	11	N/A	N/A	7.7	Monitor	
TSS	5.5	NT	NT	NT	1	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	20	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	1000	NT	NT	NT	80	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	180	NT	NT	NT	6	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	14	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	10	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	41	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	18	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	63	NT	0.21	NT	ND	7	
1,2-Dichloroethene Trans	16	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	6.7	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	209	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	600	NT	0.77	NT	0.22	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	19	NT	NT	NT	11	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	ND	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.89	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.53	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-11-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.5	11	N/A	N/A	7.8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	30	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	1000	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	170	NT	NT	NT	6	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	30	NT	NT	NT	16	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	10	Monitor	
Cyanide	7	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	49	NT	0.22	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	7.8	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	54	NT	0.32	NT	ND	7	
1,2-Dichloroethene Trans	4.6	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	0.44	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	ND	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	96	NT	0.28	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	394	NT	1.2	NT	0.28	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	0.64	NT	0.76	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-17-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11	N/A	N/A	`7.5	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	120	NT	NT	NT	30	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	10	Monitor	
Iron	1400	NT	NT	NT	340	Monitor	
Lead	1.5	NT	NT	NT	ND	1.5	
Manganese	180	NT	NT	NT	4	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	ND	20	
Selenium	11	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	10	NT	NT	NT	16	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	47	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	18	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	61	NT	0.26	NT	ND	7	
1,2-Dichloroethene Trans	16	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	10	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	244	NT	0.23	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	596	NT	1.1	NT	0.27	0.5	
Vinyl Chloride	2.9	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-24-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11	N/A	N/A	7.3	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	30	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	10	Monitor	
Iron	970	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	170	NT	NT	NT	6	Monitor	
Mercury	0.2	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	11	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	10	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	58	NT	0.21	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	28	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	75	NT	0.38	NT	ND	7	
1,2-Dichloroethene Trans	21	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	5.9	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	316	NT	0.28	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	675	NT	1.2	NT	ND	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-31-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11	N/A	N/A	7.5	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	16	NT	NT	NT	ND	5	
Barium	2300	NT	NT	NT	20	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	20	NT	NT	NT	ND	10	
Copper	20	NT	NT	NT	10	Monitor	
Iron	2300	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	170	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	ND	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	8	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	20	NT	NT	NT	40	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	55	NT	0.3	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	0.43	0.5	
1,1-Dichloroethene	25	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	74	NT	0.59	NT	ND	7	
1,2-Dichloroethene Trans	24	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	9.1	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	271	NT	0.46	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	655	NT	2	NT	0.36	0.5	
Vinyl Chloride	2.2	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

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

FLOW FROM EXTRACTION WELLS

YEAR: 2000				
MONTH: Jan. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	4,434,327.00	33,970.00	0.034	
2	4,468,297.00	27,098.00	0.027	
3	4,495,395.00	31,517.00	0.032	
4	4,526,912.00	31,206.00	0.031	
5	4,558,118.00	29,469.00	0.029	
6	4,587,587.00	29,425.00	0.029	
7	4,617,012.00	23,363.00	0.023	
8	4,640,375.00	28,279.00	0.028	
9	4,668,654.00	33,858.00	0.034	
10	4,702,512.00	28,176.00	0.028	
11	4,730,688.00	28,624.00	0.029	
12	4,759,312.00	28,588.00	0.029	
13	4,787,900.00	27,593.00	0.028	
14	4,815,493.00	23,578.00	0.024	
15	4,839,071.00	25,076.00	0.025	
16	4,864,147.00	26,943.00	0.027	
17	4,891,090.00	26,974.00	0.027	
18	4,918,064.00	31,751.00	0.032	
19	4,949,815.00	25,063.00	0.025	
20	4,974,878.00	27,986.00	0.028	
21	5,002,864.00	21,591.00	0.022	
22	5,024,455.00	26,047.00	0.026	
23	5,050,502.00	28,291.00	0.028	
24	5,078,793.00	21,246.00	0.021	
25	5,100,039.00	29,379.00	0.029	
26	5,129,418.00	23,710.00	0.024	
27	5,153,128.00	25,179.00	0.025	
28	5,178,307.00	7,033.00	0.007	SHUT DOWN
29	5,185,340.00	23,673.00	0.024	SHUT DOWN
30	5,209,013.00	26,892.00	0.027	
31	5,235,905.00	22,434.00	0.022	
February 01	5,258,339.00			
		TOTAL	0.824	
		AVERAGE	0.027	

FLOW FROM EQT-100

YEAR: 2000

MONTH: Jan. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	7,327,413.00	41,108.00	0.041	
2	7,368,521.00	33,151.00	0.033	
3	7,401,672.00	38,860.00	0.039	
4	7,440,532.00	38,181.00	0.038	
5	7,478,713.00	38,755.00	0.039	
6	7,517,468.00	39,139.00	0.039	
7	7,556,607.00	23,952.00	0.024	
8	7,580,559.00	39,024.00	0.039	
9	7,619,583.00	41,086.00	0.041	
10	7,660,669.00	33,921.00	0.034	
11	7,694,590.00	29,627.00	0.030	
12	7,724,217.00	37,658.00	0.038	
13	7,761,875.00	32,346.00	0.032	
14	7,794,221.00	27,325.00	0.027	
15	7,821,546.00	29,738.00	0.030	
16	7,851,284.00	32,471.00	0.032	
17	7,883,755.00	33,997.00	0.034	
18	7,917,752.00	40,405.00	0.040	
19	7,958,157.00	30,865.00	0.031	
20	7,989,022.00	31,783.00	0.032	
21	8,020,805.00	25,205.00	0.025	SHUT DOWN
22	8,046,010.00	30,313.00	0.030	
23	8,076,323.00	41,198.00	0.041	
24	8,117,521.00	22,783.00	0.023	
25	8,140,304.00	37,913.00	0.038	SHUT DOWN
26	8,178,217.00	31,648.00	0.032	
27	8,209,865.00	30,255.00	0.030	
28	8,240,120.00	12,799.00	0.013	SHUT DOWN
29	8,252,919.00	24,881.00	0.025	SHUT DOWN
30	8,277,800.00	38,441.00	0.038	
31	8,316,241.00	32,810.00	0.033	
February 01	8,349,051.00			
		TOTAL	1.021	
		AVERAGE	0.033	

EFFLUENT FLOW FROM PLANT

YEAR: 2000

MONTH: Jan. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	2,293,215.00	19,041.00	38,082.00	0.038	
2	2,312,256.00	13,808.00	27,616.00	0.028	
3	2,326,064.00	16,818.00	33,636.00	0.034	
4	2,342,882.00	17,266.00	34,532.00	0.035	
5	2,360,148.00	15,318.00	30,636.00	0.031	
6	2,375,466.00	17,055.00	34,110.00	0.034	
7	2,392,521.00	13,670.00	27,340.00	0.027	
8	2,406,191.00	14,822.00	29,644.00	0.030	
9	2,421,013.00	16,880.00	33,760.00	0.034	
10	2,437,893.00	14,445.00	28,890.00	0.029	
11	2,452,338.00	12,412.00	24,824.00	0.025	
12	2,464,750.00	16,751.00	33,502.00	0.034	
13	2,481,501.00	13,480.00	26,960.00	0.027	
14	2,494,981.00	13,293.00	26,586.00	0.027	
15	2,508,274.00	12,325.00	24,650.00	0.025	
16	2,520,599.00	12,103.00	24,206.00	0.024	
17	2,532,702.00	14,251.00	28,502.00	0.029	
18	2,546,953.00	18,067.00	36,134.00	0.036	
19	2,565,020.00	12,928.00	25,856.00	0.026	
20	2,577,948.00	13,122.00	26,244.00	0.026	
21	2,591,070.00	10,673.00	21,346.00	0.021	SHUIT DOWN
22	2,601,743.00	13,206.00	26,412.00	0.026	
23	2,614,949.00	16,979.00	33,958.00	0.034	
24	2,631,928.00	10,236.00	20,472.00	0.020	
25	2,642,164.00	14,820.00	29,640.00	0.030	SHUT DOWN
26	2,656,984.00	12,917.00	25,834.00	0.026	
27	2,669,901.00	12,572.00	25,144.00	0.025	
28	2,682,473.00	6,604.00	13,208.00	0.013	SHUT DOWN
29	2,689,077.00	9,607.00	19,214.00	0.019	SHUT DOWN
30	2,698,684.00	13,760.00	27,520.00	0.028	
31	2,712,444.00	14,947.00	29,894.00	0.030	
February 01	2,727,391.00				
			TOTAL	0.871	
			AVERAGE	0.028	

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
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ORGANIC REPORT

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

WDNR# 241340550

BATCH NUMBER:	**20000004**
DATE REPORTED:	06-Jan-00
DATE RECEIVED:	03-Jan-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Monthly Sampling Ja
PROJECT NAME:	OGTP

Sample Number: **18208** QC Prep Batch Number: 993119 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000103WA01P** Sample Description: *Collection: 1/3/2000 Time: 12:45*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	1/4/2000
1,1,1-Trichloroethane	209	ug/l	2.3	7.3	40	10		8260	cps	1/4/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	1/4/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	1/4/2000
1,1-Dichloroethane	41	ug/l	1.5	4.8	85	10		8260	cps	1/4/2000
1,1-Dichloroethene	18	ug/l	3.6	11	0.7	10		8260	cps	1/4/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	1/4/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	1/4/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	1/4/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	1/4/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	1/4/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	1/4/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	1/4/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	1/4/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	1/4/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	1/4/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	1/4/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	1/4/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	1/4/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	1/4/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	1/4/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	1/4/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	1/4/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	1/4/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	1/4/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	1/4/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	1/4/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	1/4/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	1/4/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	1/4/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	1/4/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	1/4/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	1/4/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	1/4/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	1/4/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	1/4/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	1/4/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	1/4/2000
cis-1,2-Dichloroethene	63	ug/l	2	6.4	7	10		8260	cps	1/4/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	1/4/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000004**
DATE REPORTED: 06-Jan-00
DATE RECEIVED: 03-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling Ja
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	1/4/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	1/4/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	1/4/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	1/4/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	1/4/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	1/4/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	1/4/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	1/4/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	1/4/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	1/4/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	1/4/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	1/4/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	1/4/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	1/4/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	1/4/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	1/4/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	1/4/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	1/4/2000
Tetrachloroethene	6.7	ug/l	2.9	9.2	0.5	10	J	8260	cps	1/4/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	1/4/2000
trans-1,2-Dichloroethene	16	ug/l	1.6	5.1	20	10		8260	cps	1/4/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	1/4/2000
Trichloroethene	600	ug/l	1.6	5.1	0.5	10		8260	cps	1/4/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	1/4/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	1/4/2000

Sample Number: **18213** QC Prep Batch Number: 993119 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000103WA07P** Sample Description: *Collection: 1/3/2000 Time: 12:35*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/4/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	1/4/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/4/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/4/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	1/4/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/4/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/4/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/4/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/4/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	1/4/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/4/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/4/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	1/4/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/4/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000004**
DATE REPORTED:	06-Jan-00
DATE RECEIVED:	03-Jan-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Monthly Sampling Ja
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/4/2000
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/4/2000
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	1/4/2000
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/4/2000
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	1/4/2000
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/4/2000
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/4/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	1/4/2000
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/4/2000
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/4/2000
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/4/2000
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	1/4/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	1/4/2000
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/4/2000
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/4/2000
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/4/2000
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/4/2000
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/4/2000
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	1/4/2000
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/4/2000
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	1/4/2000
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	1/4/2000
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	1/4/2000
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/4/2000
cis-1,2-Dichloroethene	0.21	ug/l	0.2	0.64	7	1	J	8260	cps	1/4/2000
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/4/2000
Dibromochloromethane	0.31	ug/l	0.21	0.67	6	1	J	8260	cps	1/4/2000
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/4/2000
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	1/4/2000
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	1/4/2000
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/4/2000
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	1/4/2000
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/4/2000
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	1/4/2000
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	1/4/2000
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/4/2000
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/4/2000
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/4/2000
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	1/4/2000
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	1/4/2000
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/4/2000
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/4/2000
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	1/4/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000004**
DATE REPORTED: 06-Jan-00
DATE RECEIVED: 03-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling Ja
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/4/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/4/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	1/4/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/4/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/4/2000
Trichloroethene	0.77	ug/l	0.16	0.51	0.5	1		8260	cps	1/4/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/4/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/4/2000

Sample Number: **18214** QC Prep Batch Number: 993119 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000103WA09P** Sample Description: *Collection: 1/3/2000 Time: 13:25*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/4/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	1/4/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/4/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/4/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	1/4/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/4/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/4/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/4/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/4/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	1/4/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/4/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/4/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	1/4/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/4/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/4/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/4/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/4/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/4/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/4/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/4/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/4/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/4/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/4/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/4/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/4/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/4/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/4/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/4/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/4/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/4/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/4/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000004**
DATE REPORTED: 06-Jan-00
DATE RECEIVED: 03-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling Ja
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/4/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/4/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/4/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/4/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/4/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	1/4/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/4/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	1/4/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/4/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/4/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/4/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/4/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	1/4/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/4/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/4/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/4/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	1/4/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	1/4/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/4/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/4/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/4/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	1/4/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	1/4/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/4/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/4/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	1/4/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/4/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/4/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	1/4/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/4/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/4/2000
Trichloroethene	0.22	ug/l	0.16	0.51	0.5	1	J	8260	cps	1/4/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/4/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/4/2000

Sample Number: **18215** QC Prep Batch Number: 993119 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 1/3/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/4/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	1/4/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/4/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/4/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	1/4/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000004**
DATE REPORTED:	06-Jan-00
DATE RECEIVED:	04-Jan-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Monthly Sampling Ja
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/4/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/4/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/4/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/4/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	1/4/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/4/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/4/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	1/4/2000
1,2-Dichloroethane	0.87	ug/l	0.19	0.6	0.5	1		8260	cps	1/4/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/4/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/4/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/4/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/4/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/4/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/4/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/4/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/4/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/4/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/4/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/4/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/4/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/4/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/4/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/4/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/4/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/4/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/4/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/4/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/4/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/4/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/4/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	1/4/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/4/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	1/4/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/4/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/4/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/4/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/4/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	1/4/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/4/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/4/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/4/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	1/4/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000004**
DATE REPORTED: 06-Jan-00
DATE RECEIVED: 04-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling Ja
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	1/4/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/4/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/4/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/4/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	1/4/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	1/4/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/4/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/4/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	1/4/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/4/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/4/2000
Toluene	0.59	ug/l	0.33	1	68.6	1	J	8260	cps	1/4/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/4/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/4/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	1/4/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/4/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/4/2000

Approved By: _____ **Date:** 1/14/00
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
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
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.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	20000004
DATE REPORTED:	14-Jan-00
DATE RECEIVED:	03-Jan-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Monthly Sampli
PROJECT NAME:	OGTP

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

Nova Sample Number: 18208
Client ID: **000103WA01P**
Collection: 1/3/2000 Time: 12:45
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	rf	1/12/2000	993162	
Barium - ICAP	0.11	mg/l	RJ	0.002	0.006	200.7	rf	1/14/100	993142	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	1/4/2000	993130	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	rf	1/14/100	993142	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	rf	1/14/100	993142	
Iron - ICAP	1	mg/l	RJ	0.078	0.25	200.7	rf	1/14/100	993142	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	rf	1/4/2000	993113	
Manganese - ICAP	0.18	mg/l	RJ	0.004	0.01	200.7	rf	1/14/100	993142	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	1/12/2000	993163	
Nickel - ICAP	0.04	mg/l	RJ	0.01	0.03	200.7	rf	1/14/100	993142	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	rf	1/13/100	993169	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	rf	1/14/100	993142	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	rf	1/5/2000	993129	
Zinc - ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	rf	1/14/100	993142	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	1/4/2000	993167	
COD. Total	19	mg/l	J	7.3	23	410.4-CT	805353	1/10/2000	993171	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	srh	1/11/2000	993153	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	srh	1/11/2000	993152	
pH (water)	7.2	s.u.	#			150.1	sh	1/3/00	993117	
Solids, Total Suspended	5.5	mg/l		0.5	1.6	SM 2540	rf	1/5/00	993133	

Nova Sample Number: 18209
Client ID: **000103WA09R**
Collection: 1/3/2000 Time: 13:45
Sample Description:

Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	rf	1/12/2000	993162	
Barium - ICAP	0.02	mg/l	RJ	0.002	0.006	200.7	rf	1/14/100	993142	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	1/4/2000	993130	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	rf	1/14/100	993142	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7		1/14/100		
Iron - ICAP	0.08	mg/l	J RJ	0.078	0.25	200.7	rf	1/14/100	993142	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	rf	1/4/2000	993113	
Manganese - ICAP	0.006	mg/l	J RJ	0.004	0.01	200.7	rf	1/14/100	993142	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	1/12/2000	993163	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000004
DATE REPORTED: 14-Jan-00
DATE RECEIVED: 03-Jan-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Monthly Sampli
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nickel - ICAP	**14**	**ug/l**	*J* **RJ**	10	32	200.7	rf	1/14/100	*993142*	
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	rf	1/13/100	*993169*	
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	1/14/100	*993142*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	rf	1/5/2000	*993129*	
Zinc - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.01	0.03	200.7	rf	1/14/100	*993142*	
COD. Total	**11**	**mg/l**	*J*	7.3	23	410.4-CT	805353	1/10/2000	*993171*	
Nitrate + Nitrite Nitrogen	**0.89**	**mg/l**		0.04	0.13	353.3	srh	1/4/2000	*993114*	
Nitrogen, Ammonia	**0.53**	**mg/l**		0.1	0.32	350.1	805353	1/13/2000	*993172*	
Phosphorus, Total	**<0.10**	**mg/l**		0.1	0.32	365.2	805353	1/6/2000	*993173*	
Solids, Total Suspended	**1**	**mg/l**	*J*	0.5	1.6	SM 2540	rf	1/5/00	*993133*	
Nova Sample Number: 18210										
Client ID: **000103WA02P**								Collection: 1/3/2000		Time: 13:15
								Sample Description:		
pH (water)	**9.6**	**s.u.**	#			150.1	sh	1/3/00	*993117*	
Nova Sample Number: 18211										
Client ID: **000103WA03P**								Collection: 1/3/2000		Time: 13:20
								Sample Description:		
pH (water)	**11**	**s.u.**	#			150.1	sh	1/3/00	*993117*	
Nova Sample Number: 18212										
Client ID: **000103WA05P**								Collection: 1/3/2000		Time: 12:50
								Sample Description:		
pH (water)	**7.4**	**s.u.**	#			150.1	sh	1/3/00	*993117*	
Nova Sample Number: 18214										
Client ID: **000103WA09P**								Collection: 1/3/2000		Time: 13:25
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	1/4/2000	*993167*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	1/11/2000	*993153*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	1/11/2000	*993152*	
pH (water)	**7.7**	**s.u.**	#			150.1	sh	1/3/00	*993117*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	20000004
DATE REPORTED:	14-Jan-00
DATE RECEIVED:	03-Jan-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Monthly Sampli
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 1/14/00
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 Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, 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.

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000024**
DATE REPORTED: 14-Jan-00
DATE RECEIVED: 11-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Sample Number: **18264** QC Prep Batch Number: 993166 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000111WA01P** Sample Description: *Collection: 1/11/2000 Time: 14:30*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	1/13/2000
1,1,1-Trichloroethane	96	ug/l	2.3	7.3	40	10		8260	cps	1/13/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	1/13/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	1/13/2000
1,1-Dichloroethane	49	ug/l	1.5	4.8	85	10		8260	cps	1/13/2000
1,1-Dichloroethene	7.8	ug/l	3.6	11	0.7	10	J	8260	cps	1/13/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	1/13/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	1/13/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	1/13/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	1/13/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	1/13/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	1/13/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	1/13/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	1/13/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	1/13/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	1/13/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	1/13/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	1/13/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	1/13/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	1/13/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	1/13/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	1/13/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	1/13/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	1/13/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	1/13/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	1/13/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	1/13/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	1/13/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	1/13/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	1/13/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	1/13/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	1/13/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	1/13/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	1/13/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	1/13/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	1/13/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	1/13/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	1/13/2000
cis-1,2-Dichloroethene	54	ug/l	2	6.4	7	10		8260	cps	1/13/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	1/13/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000024**
DATE REPORTED: 14-Jan-00
DATE RECEIVED: 11-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 2.1	ug/l	2.1	6.7	6	10		8260	cps	1/13/2000
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	cps	1/13/2000
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	cps	1/13/2000
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	cps	1/13/2000
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	1/13/2000
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	cps	1/13/2000
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	cps	1/13/2000
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	cps	1/13/2000
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	cps	1/13/2000
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	cps	1/13/2000
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	1/13/2000
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	1/13/2000
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	cps	1/13/2000
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	cps	1/13/2000
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	cps	1/13/2000
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	1/13/2000
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	cps	1/13/2000
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	cps	1/13/2000
Tetrachloroethene	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	1/13/2000
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	cps	1/13/2000
trans-1,2-Dichloroethene	4.6	ug/l	1.6	5.1	20	10	J	8260	cps	1/13/2000
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	cps	1/13/2000
Trichloroethene	394	ug/l	1.6	5.1	0.5	10		8260	cps	1/13/2000
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	1/13/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	1/13/2000

Sample Number: **18269** QC Prep Batch Number: 993166 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000111WA07P** Sample Description: *Collection: 1/11/2000 Time: 14:50*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/13/2000
1,1,1-Trichloroethane	0.28	ug/l	0.23	0.73	40	1	J	8260	cps	1/13/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/13/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/13/2000
1,1-Dichloroethane	0.22	ug/l	0.15	0.48	85	1	J	8260	cps	1/13/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/13/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/13/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/13/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/13/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	1/13/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/13/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/13/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	1/13/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/13/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000024**
DATE REPORTED: 14-Jan-00
DATE RECEIVED: 11-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/13/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/13/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/13/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/13/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/13/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/13/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/13/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/13/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/13/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/13/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/13/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/13/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/13/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/13/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/13/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/13/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/13/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/13/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/13/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/13/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/13/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/13/2000
Chloroform	0.51	ug/l	0.27	0.86	0.6	1	J	8260	cps	1/13/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/13/2000
cis-1,2-Dichloroethene	0.32	ug/l	0.2	0.64	7	1	J	8260	cps	1/13/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/13/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/13/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/13/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/13/2000
Ethylbenzene	0.44	ug/l	0.16	0.51	140	1	J	8260	cps	1/13/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/13/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/13/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/13/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	1/13/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	1/13/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/13/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/13/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/13/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	1/13/2000
o-xylene	0.64	ug/l	0.18	0.57	124	1		8260	cps	1/13/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/13/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/13/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	1/13/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000024**
DATE REPORTED: 14-Jan-00
DATE RECEIVED: 11-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/13/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/13/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	1/13/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/13/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/13/2000
Trichloroethene	1.2	ug/l	0.16	0.51	0.5	1		8260	cps	1/13/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/13/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/13/2000

Sample Number: **18270** QC Prep Batch Number: 993166 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000111WA09P** Sample Description: *Collection: 1/11/2000 Time: 14:55*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/13/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	1/13/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/13/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/13/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	1/13/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/13/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/13/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/13/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/13/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	1/13/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/13/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/13/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	1/13/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/13/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/13/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/13/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/13/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/13/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/13/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/13/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/13/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/13/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/13/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/13/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/13/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/13/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/13/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/13/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/13/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/13/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/13/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000024**
DATE REPORTED: 14-Jan-00
DATE RECEIVED: 11-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/13/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/13/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/13/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/13/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/13/2000
Chloroform	0.36	ug/l	0.27	0.86	0.6	1	J	8260	cps	1/13/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/13/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	1/13/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/13/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/13/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/13/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/13/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	1/13/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/13/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/13/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/13/2000
m&p-xylene	0.54	ug/l	0.36	1.1	124	1	J	8260	cps	1/13/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	1/13/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/13/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/13/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/13/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	1/13/2000
o-xylene	0.22	ug/l	0.18	0.57	124	1	J	8260	cps	1/13/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/13/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/13/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	1/13/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/13/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/13/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	1/13/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/13/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/13/2000
Trichloroethene	0.28	ug/l	0.16	0.51	0.5	1	J	8260	cps	1/13/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/13/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/13/2000

Sample Number: **18271** QC Prep Batch Number: 993166 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 1/11/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/13/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	1/13/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/13/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/13/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	1/13/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000024**
DATE REPORTED:	14-Jan-00
DATE RECEIVED:	11-Jan-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling Jan
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/13/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/13/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/13/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/13/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	1/13/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/13/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/13/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	1/13/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/13/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/13/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/13/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/13/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/13/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/13/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/13/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/13/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/13/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/13/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/13/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/13/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/13/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/13/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/13/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/13/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/13/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/13/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/13/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/13/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/13/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/13/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/13/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	1/13/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/13/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	1/13/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/13/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/13/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/13/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/13/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	1/13/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/13/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/13/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/13/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	1/13/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000024**
DATE REPORTED:	14-Jan-00
DATE RECEIVED:	11-Jan-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling Jan
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	**ug/l**	0.21	0.67	12	1		8260	cps	1/13/2000
Methylene chloride	< 0.76	**ug/l**	0.76	2.4	0.5	1		8260	cps	1/13/2000
n-Butylbenzene	< 0.23	**ug/l**	0.23	0.73	ns	1		8260	cps	1/13/2000
n-Propylbenzene	< 0.25	**ug/l**	0.25	0.8	ns	1		8260	cps	1/13/2000
Naphthalene	< 0.46	**ug/l**	0.46	1.5	8	1		8260	cps	1/13/2000
o-xylene	< 0.18	**ug/l**	0.18	0.57	124	1		8260	cps	1/13/2000
p-Isopropyltoluene	< 0.18	**ug/l**	0.18	0.57	ns	1		8260	cps	1/13/2000
sec-Butylbenzene	< 0.3	**ug/l**	0.3	0.95	ns	1		8260	cps	1/13/2000
Styrene	< 0.21	**ug/l**	0.21	0.67	10	1		8260	cps	1/13/2000
tert-Butylbenzene	< 0.2	**ug/l**	0.2	0.64	ns	1		8260	cps	1/13/2000
Tetrachloroethene	< 0.29	**ug/l**	0.29	0.92	0.5	1		8260	cps	1/13/2000
Toluene	< 0.33	**ug/l**	0.33	1	68.6	1		8260	cps	1/13/2000
trans-1,2-Dichloroethene	< 0.16	**ug/l**	0.16	0.51	20	1		8260	cps	1/13/2000
trans-1,3-Dichloropropene	< 0.2	**ug/l**	0.2	0.64	0.02	1		8260	cps	1/13/2000
Trichloroethene	< 0.16	**ug/l**	0.16	0.51	0.5	1		8260	cps	1/13/2000
Trichlorofluoromethane	< 0.34	**ug/l**	0.34	1.1	ns	1		8260	cps	1/13/2000
Vinyl chloride	< 0.21	**ug/l**	0.21	0.67	0.02	1		8260	cps	1/13/2000

Approved By: Jim Chang **Date:** 1/28/00
James Chang, Ph.D. , Lab Director CPS

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
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
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.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000024
DATE REPORTED: 28-Jan-00
DATE RECEIVED: 11-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Nova Sample Number: 18264
Client ID: **000111WA01P**
Collection: 1/11/2000 Time: 14:30
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	1/12/2000	993162	
Barium - ICAP	0.11	mg/l		RJ	0.002	0.006	200.7	rf	1/17/2000	993183	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	1/18/100	993189	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	rf	1/17/2000	993183	
Copper- ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	1/17/2000	993183	
Iron - ICAP	1	mg/l		RJ	0.078	0.25	200.7	rf	1/17/2000	993183	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	1/18/2000	993188	
Manganese - ICAP	0.17	mg/l		RJ	0.004	0.01	200.7	rf	1/17/2000	993183	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	1/12/2000	993163	
Nickel - ICAP	0.03	mg/l	J	RJ	0.01	0.03	200.7	rf	1/17/2000	993183	
Selenium - Furnace AA	<7.8	ug/l		RJ	7.8	25	270.2	rf	1/13/100	993169	
Silver - ICAP	<0.009	mg/l		RJ	0.009	0.03	200.7	rf	1/17/2000	993183	
Thallium - Furnace AA	<4.9	ug/l		RJ	4.9	16	279.2	rf	1/18/2000	993193	
Zinc - ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	1/17/2000	993183	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500D	12805	1/12/2000	993167	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	srh	1/18/2000	993192	
Cyanide, Total	0.007	mg/l	J		0.006	0.02	335.2	srh	1/18/2000	993191	
pH (water)	7.5	s.u.	#				150.1	ag	1/11/00	993177	

Nova Sample Number: 18265
Client ID: **000111WA09R**
Collection: 1/11/2000 Time: 15:00
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	1/12/2000	993162	
Barium - ICAP	0.03	mg/l		RJ	0.002	0.006	200.7	rf	1/17/2000	993183	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	1/18/100	993189	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	rf	1/17/2000	993183	
Copper- ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	1/17/2000	993183	
Iron - ICAP	<0.078	mg/l		RJ	0.078	0.25	200.7	rf	1/17/2000	993183	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	1/18/2000	993188	
Manganese - ICAP	0.006	mg/l	J	RJ	0.004	0.01	200.7	rf	1/17/2000	993183	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	1/12/2000	993163	
Nickel - ICAP	16	ug/l	J	RJ	10	32	200.7	rf	1/17/2000	993183	
Selenium - Furnace AA	<7.8	ug/l		RJ	7.8	25	270.2	rf	1/13/100	993169	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000024**
DATE REPORTED:	28-Jan-00
DATE RECEIVED:	11-Jan-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Samplin
PROJECT NAME:	OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	1/17/2000	*993183*	
Thallium - Furnace AA	**<4.9**	**ug/l**	**RJ**	4.9	16	279.2	rf	1/18/2000	*993193*	
Zinc - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.01	0.03	200.7	rf	1/17/2000	*993183*	
Nova Sample Number: 18266										
Client ID: **000111WA02P**								Collection: 1/11/2000		Time: 14:35
								Sample Description:		
pH (water)	**9.8**	**s.u.**	**#**			150.1	ag	1/11/00	*993177*	
Nova Sample Number: 18267										
Client ID: **000111WA03P**								Collection: 1/11/2000		Time: 15:40
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	ag	1/11/00	*993177*	
Nova Sample Number: 18268										
Client ID: **000111WA05P**								Collection: 1/11/2000		Time: 14:45
								Sample Description:		
pH (water)	**7.1**	**s.u.**	**#**			150.1	ag	1/11/00	*993177*	
Nova Sample Number: 18270										
Client ID: **000111WA09P**								Collection: 1/11/2000		Time: 14:55
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	1/12/2000	*993167*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	1/18/2000	*993192*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	1/18/2000	*993191*	
pH (water)	**7.8**	**s.u.**	**#**			150.1	ag	1/11/00	*993177*	

Approved By: Jim Chang **Date:** 1/28/00
James Chang, Ph.D., Lab Director CPS

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

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER 20000036
DATE REPORTED: 31-Jan-00
DATE RECEIVED: 17-Jan-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

Nova Sample Number: 18335
Client ID: 000117WA01P

Collection: 1/17/2000 Time: 10:10
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	1/19/2000	993205	
Barium - ICAP	0.12	mg/l		RJ	0.002	0.006	200.7	rf	1/19/2000	993199	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	1/18/100	993189	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	rf	1/19/2000	993199	
Copper- ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	1/19/2000	993199	
Iron - ICAP	1.4	mg/l		RJ	0.078	0.25	200.7	rf	1/19/2000	993199	
Lead - Furnace AA	1.5	ug/l	J	RJ	1.5	4.8	239.2	rf	1/18/2000	993188	
Manganese - ICAP	0.18	mg/l		RJ	0.004	0.01	200.7	rf	1/19/2000	993199	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	pm	1/20/2000	993215	
Nickel - ICAP	0.04	mg/l		RJ	0.01	0.03	200.7	rf	1/19/2000	993199	
Selenium - Furnace AA	11	ug/l	J	RJ	7.8	25	270.2	rf	1/20/2000	993212	
Silver - ICAP	<0.09	mg/l		RJ	0.009	0.03	200.7	rf	1/19/2000	993199	
Thallium - Furnace AA	<4.9	ug/l		RJ	4.9	16	279.2	rf	1/18/2000	993193	
Zinc - ICAP	0.01	mg/l	J	RJ	0.01	0.03	200.7	rf	1/19/2000	993199	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	805353	1/18/2000	993220	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	srh	1/18/2000	993192	
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	srh	1/18/2000	993191	
pH (water)	7.1	s.u.	#				150.1	sh	1/17/00	993206	

Nova Sample Number: 18336
Client ID: 000117WA09R

Collection: 1/17/2000 Time: 10:05
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	1/19/2000	993205	
Barium - ICAP	0.03	mg/l		RJ	0.002	0.006	200.7	rf	1/19/2000	993199	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	1/18/100	993189	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	rf	1/19/2000	993199	
Copper- ICAP	0.01	mg/l	J	RJ	0.01	0.03	200.7	rf	1/19/2000	993199	
Iron - ICAP	0.34	mg/l		RJ	0.078	0.25	200.7	rf	1/19/2000	993199	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	1/18/2000	993188	
Manganese - ICAP	0.004	mg/l	J	RJ	0.004	0.01	200.7	rf	1/19/2000	993199	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	pm	1/20/2000	993215	
Nickel - ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	1/19/2000	993199	
Selenium - Furnace AA	<7.8	ug/l		RJ	7.8	25	270.2	rf	1/20/2000	993212	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	20000036
DATE REPORTED:	31-Jan-00
DATE RECEIVED:	17-Jan-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	Weekly Sampling

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	1/19/2000	*993199*	
Thallium - Furnace AA	**<4.9**	**ug/l**	**RJ**	4.9	16	279.2	rf	1/18/2000	*993193*	
Zinc - ICAP	**16**	**ug/l**	***J*** **RJ**	10	32	200.7	rf	1/19/2000	*993199*	
Nova Sample Number: 18337										
Client ID: **000117WA02P**								Collection: 1/17/2000	Time: 09:45	
								Sample Description:		
pH (water)	**9.6**	**s.u.**	**#**			150.1	sh	1/17/00	*993206*	
Nova Sample Number: 18338										
Client ID: **000117WA03P**								Collection: 1/17/2000	Time: 09:46	
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	sh	1/17/00	*993206*	
Nova Sample Number: 18339										
Client ID: **000117WA05P**								Collection: 1/17/2000	Time: 09:50	
								Sample Description:		
pH (water)	**7.5**	**s.u.**	**#**			150.1	sh	1/17/00	*993206*	
Nova Sample Number: 18341										
Client ID: **000117WA09P**								Collection: 1/17/2000	Time: 10:00	
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	805353	1/18/2000	*993220*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	1/18/2000	*993192*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	1/18/2000	*993191*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	sh	1/17/00	*993206*	

Approved By: _____ **Date:** 1/31/00
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 Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, 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.

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000036**
DATE REPORTED: 21-Jan-00
DATE RECEIVED: 17-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: **18335**				QC Prep Batch Number:	993223		*Sample analyzed within*	*65*	*Day(s) from collection.*	
Client ID: **000117WA01P**	Sample Description:						*Collection:*	*1/17/2000*	*Time:*	*10:10*
1,1,1,2-Tetrachloroethane	< 2	**ug/l**	2	6.4	ns	10		8260	cps	1/20/00
1,1,1-Trichloroethane	244	**ug/l**	2.3	7.3	40	10		8260	cps	1/20/00
1,1,2,2-Tetrachloroethane	< 2.9	**ug/l**	2.9	9.2	0.02	10		8260	cps	1/20/00
1,1,2-Trichloroethane	< 2.9	**ug/l**	2.9	9.2	0.5	10		8260	cps	1/20/00
1,1-Dichloroethane	47	**ug/l**	1.5	4.8	85	10		8260	cps	1/20/00
1,1-Dichloroethene	18	**ug/l**	3.6	11	0.7	10		8260	cps	1/20/00
1,1-Dichloropropene	< 4.9	**ug/l**	4.9	16	ns	10		8260	cps	1/20/00
1,2,3-Trichlorobenzene	< 2.2	**ug/l**	2.2	7	ns	10		8260	cps	1/20/00
1,2,3-Trichloropropane	< 6	**ug/l**	6	19	ns	10		8260	cps	1/20/00
1,2,4-Trichlorobenzene	< 1.6	**ug/l**	1.6	5.1	14	10		8260	cps	1/20/00
1,2,4-Trimethylbenzene	< 2.9	**ug/l**	2.9	9.2	ns	10		8260	cps	1/20/00
1,2-Dibromoethane	< 2.4	**ug/l**	2.4	7.6	0.005	10		8260	cps	1/20/00
1,2-Dichlorobenzene	< 2	**ug/l**	2	6.4	60	10		8260	cps	1/20/00
1,2-Dichloroethane	< 1.9	**ug/l**	1.9	6	0.5	10		8260	cps	1/20/00
1,2-Dichloropropane	< 2.3	**ug/l**	2.3	7.3	0.5	10		8260	cps	1/20/00
1,3,5-Trimethylbenzene	< 2.3	**ug/l**	2.3	7.3	ns	10		8260	cps	1/20/00
1,3-Dichlorobenzene	< 1.9	**ug/l**	1.9	6	125	10		8260	cps	1/20/00
1,3-Dichloropropane	< 2.1	**ug/l**	2.1	6.7	ns	10		8260	cps	1/20/00
1,4-Dichlorobenzene	< 1.5	**ug/l**	1.5	4.8	15	10		8260	cps	1/20/00
12Dibromo-3-chloropropan	< 5.9	**ug/l**	5.9	19	0.02	10		8260	cps	1/20/00
2,2-Dichloropropane	< 4	**ug/l**	4	13	ns	10		8260	cps	1/20/00
2-Butanone (MEK)	< 14	**ug/l**	14	44	90	10		8260	cps	1/20/00
2-Chloroethyl Vinyl Ether	< 2.9	**ug/l**	2.9	9.2	ns	10		8260	cps	1/20/00
2-Chlorotoluene	< 1.5	**ug/l**	1.5	4.8	ns	10		8260	cps	1/20/00
4-Chlorotoluene	< 2.5	**ug/l**	2.5	8	ns	10		8260	cps	1/20/00
4-Methyl-2-Pentanone	< 8.4	**ug/l**	8.4	27	50	10		8260	cps	1/20/00
Acetone	< 16	**ug/l**	16	49	200	10		8260	cps	1/20/00
Benzene	< 1.9	**ug/l**	1.9	6	0.5	10		8260	cps	1/20/00
Bromobenzene	< 1.9	**ug/l**	1.9	6	ns	10		8260	cps	1/20/00
Bromochloromethane	< 3.4	**ug/l**	3.4	11	ns	10		8260	cps	1/20/00
Bromodichloromethane	< 2.6	**ug/l**	2.6	8.3	0.06	10		8260	cps	1/20/00
Bromoform	< 4.7	**ug/l**	4.7	15	0.44	10		8260	cps	1/20/00
Bromomethane	< 2.1	**ug/l**	2.1	6.7	1	10		8260	cps	1/20/00
Carbon tetrachloride	< 2.2	**ug/l**	2.2	7	0.5	10		8260	cps	1/20/00
Chlorobenzene	< 2	**ug/l**	2	6.4	20	10		8260	cps	1/20/00
Chloroethane	14	**ug/l**	12	37	80	10	*J*	8260	cps	1/20/00
Chloroform	< 2.7	**ug/l**	2.7	8.6	0.6	10		8260	cps	1/20/00
Chloromethane	< 7.7	**ug/l**	7.7	24	0.3	10		8260	cps	1/20/00
cis-1,2-Dichloroethene	61	**ug/l**	2	6.4	7	10		8260	cps	1/20/00
cis-1,3-Dichloropropene	< 2.4	**ug/l**	2.4	7.6	0.02	10		8260	cps	1/20/00

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000036**
DATE REPORTED: 21-Jan-00
DATE RECEIVED: 17-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	1/20/00
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	1/20/00
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	1/20/00
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	1/20/00
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	1/20/00
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	1/20/00
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	1/20/00
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	1/20/00
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	1/20/00
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	1/20/00
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	1/20/00
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	1/20/00
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	1/20/00
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	1/20/00
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	1/20/00
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	1/20/00
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	1/20/00
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	1/20/00
Tetrachloroethene	10	ug/l	2.9	9.2	0.5	10		8260	cps	1/20/00
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	1/20/00
trans-1,2-Dichloroethene	16	ug/l	1.6	5.1	20	10		8260	cps	1/20/00
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	1/20/00
Trichloroethene	596	ug/l	1.6	5.1	0.5	10		8260	cps	1/20/00
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	1/20/00
Vinyl chloride	2.9	ug/l	2.1	6.7	0.02	10	J	8260	cps	1/20/00

Sample Number: **18340** QC Prep Batch Number: 993223 *Sample analyzed within 65 Day(s) from collection.*
Client ID: **000117WA07P** Sample Description: *Collection: 1/17/2000 Time: 09:55*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/20/00
1,1,1-Trichloroethane	0.23	ug/l	0.23	0.73	40	1		8260	cps	1/20/00
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/20/00
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/20/00
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	1/20/00
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/20/00
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/20/00
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/20/00
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/20/00
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	1/20/00
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/20/00
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/20/00
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	1/20/00
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/20/00

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000036**
DATE REPORTED: 21-Jan-00
DATE RECEIVED: 17-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/20/00
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/20/00
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/20/00
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/20/00
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/20/00
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/20/00
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/20/00
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/20/00
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/20/00
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/20/00
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/20/00
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/20/00
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/20/00
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/20/00
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/20/00
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/20/00
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/20/00
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/20/00
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/20/00
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/20/00
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/20/00
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/20/00
Chloroform	0.56	ug/l	0.27	0.86	0.6	1	J	8260	cps	1/20/00
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/20/00
cis-1,2-Dichloroethene	0.26	ug/l	0.2	0.64	7	1	J	8260	cps	1/20/00
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/20/00
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/20/00
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/20/00
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/20/00
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	1/20/00
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/20/00
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/20/00
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/20/00
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	1/20/00
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	1/20/00
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/20/00
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/20/00
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/20/00
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	1/20/00
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	1/20/00
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/20/00
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/20/00
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	1/20/00

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000036**
DATE REPORTED: 21-Jan-00
DATE RECEIVED: 17-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/20/00
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/20/00
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	1/20/00
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/20/00
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/20/00
Trichloroethene	1.1	ug/l	0.16	0.51	0.5	1		8260	cps	1/20/00
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/20/00
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/20/00

Sample Number: **18341** QC Prep Batch Number: 993223 *Sample analyzed within 65 Day(s) from collection.*
Client ID: **000117WA09P** Sample Description: *Collection: 1/17/2000 Time: 10:00*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/20/00
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	1/20/00
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/20/00
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/20/00
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	1/20/00
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/20/00
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/20/00
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/20/00
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/20/00
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	1/20/00
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/20/00
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/20/00
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	1/20/00
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/20/00
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/20/00
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/20/00
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/20/00
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/20/00
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/20/00
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/20/00
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/20/00
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/20/00
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/20/00
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/20/00
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/20/00
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/20/00
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/20/00
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/20/00
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/20/00
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/20/00
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/20/00

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000036**
DATE REPORTED: 21-Jan-00
DATE RECEIVED: 17-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/20/00
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/20/00
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/20/00
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/20/00
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/20/00
Chloroform	0.46	ug/l	0.27	0.86	0.6	1	J	8260	cps	1/20/00
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/20/00
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	1/20/00
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/20/00
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/20/00
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/20/00
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/20/00
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	1/20/00
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/20/00
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/20/00
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/20/00
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	1/20/00
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	1/20/00
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/20/00
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/20/00
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/20/00
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	1/20/00
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	1/20/00
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/20/00
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/20/00
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	1/20/00
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/20/00
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/20/00
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	1/20/00
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/20/00
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/20/00
Trichloroethene	0.27	ug/l	0.16	0.51	0.5	1	J	8260	cps	1/20/00
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/20/00
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/20/00

Sample Number: **18342** QC Prep Batch Number: 993223 *Sample analyzed within 65 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 1/17/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/20/00
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	1/20/00
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/20/00
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/20/00
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	1/20/00

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000036**
DATE REPORTED: 21-Jan-00
DATE RECEIVED: 17-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/20/00
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/20/00
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/20/00
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/20/00
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	1/20/00
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/20/00
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/20/00
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	1/20/00
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/20/00
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/20/00
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/20/00
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	1/20/00
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/20/00
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	1/20/00
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/20/00
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/20/00
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	1/20/00
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/20/00
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/20/00
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/20/00
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	1/20/00
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	1/20/00
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/20/00
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/20/00
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/20/00
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/20/00
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/20/00
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	1/20/00
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/20/00
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	1/20/00
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	1/20/00
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	1/20/00
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/20/00
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	1/20/00
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/20/00
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	1/20/00
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/20/00
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	1/20/00
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	1/20/00
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/20/00
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	1/20/00
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/20/00
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	1/20/00

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000036**
DATE REPORTED: 21-Jan-00
DATE RECEIVED: 17-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	**ug/l**	0.21	0.67	12	1		8260	cps	1/20/00
Methylene chloride	< 0.76	**ug/l**	0.76	2.4	0.5	1		8260	cps	1/20/00
n-Butylbenzene	< 0.23	**ug/l**	0.23	0.73	ns	1		8260	cps	1/20/00
n-Propylbenzene	< 0.25	**ug/l**	0.25	0.8	ns	1		8260	cps	1/20/00
Naphthalene	< 0.46	**ug/l**	0.46	1.5	8	1		8260	cps	1/20/00
o-xylene	< 0.18	**ug/l**	0.18	0.57	124	1		8260	cps	1/20/00
p-Isopropyltoluene	< 0.18	**ug/l**	0.18	0.57	ns	1		8260	cps	1/20/00
sec-Butylbenzene	< 0.3	**ug/l**	0.3	0.95	ns	1		8260	cps	1/20/00
Styrene	< 0.21	**ug/l**	0.21	0.67	10	1		8260	cps	1/20/00
tert-Butylbenzene	< 0.2	**ug/l**	0.2	0.64	ns	1		8260	cps	1/20/00
Tetrachloroethene	< 0.29	**ug/l**	0.29	0.92	0.5	1		8260	cps	1/20/00
Toluene	< 0.33	**ug/l**	0.33	1	68.6	1		8260	cps	1/20/00
trans-1,2-Dichloroethene	< 0.16	**ug/l**	0.16	0.51	20	1		8260	cps	1/20/00
trans-1,3-Dichloropropene	< 0.2	**ug/l**	0.2	0.64	0.02	1		8260	cps	1/20/00
Trichloroethene	< 0.16	**ug/l**	0.16	0.51	0.5	1		8260	cps	1/20/00
Trichlorofluoromethane	< 0.34	**ug/l**	0.34	1.1	ns	1		8260	cps	1/20/00
Vinyl chloride	< 0.21	**ug/l**	0.21	0.67	0.02	1		8260	cps	1/20/00

Approved By: _____ **Date:** 1/31/00

James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
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
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.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000047**
DATE REPORTED: 01-Feb-00
DATE RECEIVED: 24-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Sample Number: **18375** QC Prep Batch Number: 993288 *Sample analyzed within 7 Day(s) from collection.*
Client ID: **000124WA01P** Sample Description: *Collection: 1/24/2000 Time: 10:55*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	1/31/2000
1,1,1-Trichloroethane	316	ug/l	2.3	7.3	40	10		8260	cps	1/31/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	1/31/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	1/31/2000
1,1-Dichloroethane	58	ug/l	1.5	4.8	85	10		8260	cps	1/31/2000
1,1-Dichloroethene	28	ug/l	3.6	11	0.7	10		8260	cps	1/31/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	1/31/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	1/31/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	1/31/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	1/31/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	1/31/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	1/31/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	1/31/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	1/31/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	1/31/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	1/31/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	1/31/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	1/31/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	1/31/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	1/31/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	1/31/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	1/31/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	1/31/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	1/31/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	1/31/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	1/31/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	1/31/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	1/31/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	1/31/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	1/31/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	1/31/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	1/31/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	1/31/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	1/31/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	1/31/2000
Chloroethane	21	ug/l	12	37	80	10	J	8260	cps	1/31/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	1/31/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	1/31/2000
cis-1,2-Dichloroethene	75	ug/l	2	6.4	7	10		8260	cps	1/31/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	1/31/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000047**
DATE REPORTED: 01-Feb-00
DATE RECEIVED: 24-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 2.1	ug/l	2.1	6.7	6	10		8260	cps	1/31/2000
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	cps	1/31/2000
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	cps	1/31/2000
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	cps	1/31/2000
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	1/31/2000
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	cps	1/31/2000
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	cps	1/31/2000
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	cps	1/31/2000
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	cps	1/31/2000
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	cps	1/31/2000
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	1/31/2000
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	1/31/2000
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	cps	1/31/2000
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	cps	1/31/2000
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	cps	1/31/2000
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	1/31/2000
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	cps	1/31/2000
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	cps	1/31/2000
Tetrachloroethene	5.9	ug/l	2.9	9.2	0.5	10	J	8260	cps	1/31/2000
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	cps	1/31/2000
trans-1,2-Dichloroethene	21	ug/l	1.6	5.1	20	10		8260	cps	1/31/2000
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	cps	1/31/2000
Trichloroethene	675	ug/l	1.6	5.1	0.5	10		8260	cps	1/31/2000
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	1/31/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	1/31/2000

Sample Number: **18380** QC Prep Batch Number: 993288 *Sample analyzed within 7 Day(s) from collection.*
Client ID: **000124WA07P** Sample Description: *Collection: 1/24/2000 Time: 11:00*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/31/2000
1,1,1-Trichloroethane	0.28	ug/l	0.23	0.73	40	1	J	8260	cps	1/31/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/31/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/31/2000
1,1-Dichloroethane	0.21	ug/l	0.15	0.48	85	1	J	8260	cps	1/31/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/31/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/31/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/31/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/31/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	1/31/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/31/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/31/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	1/31/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/31/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000047**
DATE REPORTED: 01-Feb-00
DATE RECEIVED: 24-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/31/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/31/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/31/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/31/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/31/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/31/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/31/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/31/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/31/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/31/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/31/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/31/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/31/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/31/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/31/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/31/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/31/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/31/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/31/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/31/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/31/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/31/2000
Chloroform	0.83	ug/l	0.27	0.86	0.6	1	J	8260	cps	1/31/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/31/2000
cis-1,2-Dichloroethene	0.38	ug/l	0.2	0.64	7	1	J	8260	cps	1/31/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/31/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/31/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/31/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/31/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	1/31/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/31/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/31/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/31/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	1/31/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	1/31/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/31/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/31/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/31/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	1/31/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	1/31/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/31/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/31/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	1/31/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000047**
DATE REPORTED: 01-Feb-00
DATE RECEIVED: 24-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/31/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/31/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	1/31/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/31/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/31/2000
Trichloroethene	1.2	ug/l	0.16	0.51	0.5	1		8260	cps	1/31/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/31/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/31/2000

Sample Number: **18381** QC Prep Batch Number: 993288 *Sample analyzed within 7 Day(s) from collection.*
Client ID: **000124WA09P** Sample Description: *Collection: 1/24/2000 Time: 11:10*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/31/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	1/31/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/31/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/31/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	1/31/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/31/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/31/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/31/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/31/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	1/31/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/31/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/31/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	1/31/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/31/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/31/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/31/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/31/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/31/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/31/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/31/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/31/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/31/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/31/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/31/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/31/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/31/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/31/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/31/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/31/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/31/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/31/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000047**
DATE REPORTED: 01-Feb-00
DATE RECEIVED: 24-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/31/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/31/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/31/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/31/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/31/2000
Chloroform	3.7	ug/l	0.27	0.86	0.6	1		8260	cps	1/31/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/31/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	1/31/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/31/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/31/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/31/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/31/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	1/31/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/31/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/31/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/31/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	1/31/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	1/31/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/31/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/31/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/31/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	1/31/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	1/31/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/31/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/31/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	1/31/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/31/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/31/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	1/31/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/31/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/31/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	1/31/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/31/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/31/2000

Sample Number: **18382** QC Prep Batch Number: 993288 *Sample analyzed within 7 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 1/24/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/31/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	1/31/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	1/31/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/31/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	1/31/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000047**
DATE REPORTED: 01-Feb-00
DATE RECEIVED: 24-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	1/31/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	1/31/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/31/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	1/31/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	1/31/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/31/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	1/31/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	1/31/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/31/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	1/31/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/31/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	1/31/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	1/31/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	1/31/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	1/31/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	1/31/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	1/31/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	1/31/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	1/31/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/31/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	1/31/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	1/31/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	1/31/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	1/31/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/31/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	1/31/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	1/31/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	1/31/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	1/31/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	1/31/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	1/31/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	1/31/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	1/31/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	1/31/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	1/31/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	1/31/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	1/31/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	1/31/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	1/31/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	1/31/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	1/31/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	1/31/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	1/31/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000047**
DATE REPORTED: 01-Feb-00
DATE RECEIVED: 24-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	1/31/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	1/31/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	1/31/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	1/31/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	1/31/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	1/31/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	1/31/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	1/31/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	1/31/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	1/31/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	1/31/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	1/31/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	1/31/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	1/31/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	1/31/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	1/31/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	1/31/2000

Approved By: _____ **Date:** ____/____/____

James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
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
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.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000047
DATE REPORTED: 11-Feb-00
DATE RECEIVED: 24-Jan-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Nova Sample Number: 18375
Client ID: 000124WA01P
Collection: 1/24/2000 Time: 10:55
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	1/25/2000	993249	
Barium - ICAP	0.11	mg/l		RJ	0.002	0.006	200.7	rf	1/31/2000	993277	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	1/25/2000	993247	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	rf	1/31/2000	993277	
Copper- ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	1/31/2000	993277	
Iron - ICAP	0.97	mg/l		RJ	0.078	0.25	200.7	rf	1/31/2000	993277	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	1/25/2000	993246	
Manganese - ICAP	0.17	mg/l		RJ	0.004	0.01	200.7	rf	1/31/2000	993277	
Mercury CV	0.0002	mg/l	J	RJ	0.0002	0.0006	245.1	dmd	1/27/2000	993259	
Nickel - ICAP	0.04	mg/l		RJ	0.01	0.03	200.7	rf	1/31/2000	993277	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	rf	1/26/2000	993253	
Silver - ICAP	<0.009	mg/l		RJ	0.009	0.03	200.7	rf	1/31/2000	993277	
Thallium - Furnace AA	<4.9	ug/l		RJ	4.9	16	279.2	rf	1/25/2000	993248	
Zinc - ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	1/31/2000	993277	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	805353	1/25/2000	993270	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	pm	1/31/2000		
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	pm	1/28/2000	993279	
pH (water)	7	s.u.	#				150.1	sh	1/24/00	993245	

Nova Sample Number: 18376
Client ID: 000124WA09R
Collection: 1/24/2000 Time: 11:10
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	1/25/2000	993249	
Barium - ICAP	0.03	mg/l		RJ	0.002	0.006	200.7	rf	1/31/2000	993277	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	1/25/2000	993247	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	rf	1/31/2000	993277	
Copper- ICAP	0.01	mg/l	J	RJ	0.01	0.03	200.7	rf	1/31/2000	993277	
Iron - ICAP	<0.078	mg/l		RJ	0.078	0.25	200.7	rf	1/31/2000	993277	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	1/25/2000	993246	
Manganese - ICAP	0.006	mg/l	J	RJ	0.004	0.01	200.7	rf	1/31/2000	993277	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	1/27/2000	993259	
Nickel - ICAP	11	ug/l	J	RJ	10	32	200.7	rf	1/31/2000	993277	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	rf	1/26/2000	993253	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000047
DATE REPORTED: 11-Feb-00
DATE RECEIVED: 24-Jan-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	1/31/2000	*993277*	
Thallium - Furnace AA	**<4.9**	**ug/l**	**RJ**	4.9	16	279.2	rf	1/25/2000	*993248*	
Zinc - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.01	0.03	200.7	rf	1/31/2000	*993277*	
Nova Sample Number: 18377										
Client ID: **000124WA02P**								Collection: 1/24/2000		Time: 11:05
								Sample Description:		
pH (water)	**9.9**	**s.u.**	**#**			150.1	sh	1/24/00	*993245*	
Nova Sample Number: 18378										
Client ID: **000124WA03P**								Collection: 1/24/2000		Time: 11:06
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	sh	1/24/00	*993245*	
Nova Sample Number: 18379										
Client ID: **000124WA05P**								Collection: 1/24/2000		Time: 11:15
								Sample Description:		
pH (water)	**7.5**	**s.u.**	**#**			150.1	sh	1/24/00	*993245*	
Nova Sample Number: 18381										
Client ID: **000124WA09P**								Collection: 1/24/2000		Time: 11:10
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	805353	1/25/2000	*993270*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	pm	1/31/2000		
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	pm	1/28/2000	*993279*	
pH (water)	**7.3**	**s.u.**	**#**			150.1	sh	1/24/00	*993245*	

Approved By: _____ **Date:** 2/11/00
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 Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, 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.

APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

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

WDNR# 241340550

BATCH NUMBER: **20000065**
DATE REPORTED: 03-Feb-00
DATE RECEIVED: 31-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

Sample Number: **18452** QC Prep Batch Number: 993297 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000131WA01P** Sample Description: *Collection: 1/31/2000 Time: 13:25*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	2/2/2000
1,1,1-Trichloroethane	271	ug/l	2.3	7.3	40	10		8260	cps	2/2/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	2/2/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	2/2/2000
1,1-Dichloroethane	55	ug/l	1.5	4.8	85	10		8260	cps	2/2/2000
1,1-Dichloroethene	25	ug/l	3.6	11	0.7	10		8260	cps	2/2/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	2/2/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	2/2/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	2/2/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	2/2/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/2/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	2/2/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	2/2/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	2/2/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	2/2/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/2/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	2/2/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	2/2/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	2/2/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	2/2/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	2/2/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	2/2/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/2/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	2/2/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	2/2/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	2/2/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	2/2/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	2/2/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	2/2/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	2/2/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	2/2/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	2/2/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	2/2/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	2/2/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	2/2/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	2/2/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	2/2/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	2/2/2000
cis-1,2-Dichloroethene	74	ug/l	2	6.4	7	10		8260	cps	2/2/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	2/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000065**
DATE REPORTED: 03-Feb-00
DATE RECEIVED: 31-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	2/2/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	2/2/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	2/2/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	2/2/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	2/2/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	2/2/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	2/2/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	2/2/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	2/2/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	2/2/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/2/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	2/2/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	2/2/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	2/2/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	2/2/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	2/2/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	2/2/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	2/2/2000
Tetrachloroethene	9.1	ug/l	2.9	9.2	0.5	10	J	8260	cps	2/2/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	2/2/2000
trans-1,2-Dichloroethene	24	ug/l	1.6	5.1	20	10		8260	cps	2/2/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	2/2/2000
Trichloroethene	655	ug/l	1.6	5.1	0.5	10		8260	cps	2/2/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	2/2/2000
Vinyl chloride	2.2	ug/l	2.1	6.7	0.02	10	J	8260	cps	2/2/2000

Sample Number: **18457** QC Prep Batch Number: 993297 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000131WA07P** Sample Description: *Collection: 1/31/2000 Time: 13:40*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/2/2000
1,1,1-Trichloroethane	0.46	ug/l	0.23	0.73	40	1	J	8260	cps	2/2/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/2/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/2/2000
1,1-Dichloroethane	0.3	ug/l	0.15	0.48	85	1	J	8260	cps	2/2/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	2/2/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/2/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/2/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/2/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	2/2/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/2/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/2/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	2/2/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000065**
DATE REPORTED: 03-Feb-00
DATE RECEIVED: 31-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	2/2/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/2/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/2/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/2/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/2/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/2/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/2/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	2/2/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/2/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/2/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/2/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/2/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/2/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/2/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/2/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/2/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/2/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	2/2/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/2/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/2/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	2/2/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/2/2000
Chloroform	0.41	ug/l	0.27	0.86	0.6	1	J	8260	cps	2/2/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/2/2000
cis-1,2-Dichloroethene	0.59	ug/l	0.2	0.64	7	1	J	8260	cps	2/2/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/2/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/2/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/2/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/2/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/2/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/2/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/2/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/2/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/2/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	2/2/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/2/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/2/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/2/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/2/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/2/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/2/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/2/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000065**
DATE REPORTED: 03-Feb-00
DATE RECEIVED: 31-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/2/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/2/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/2/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/2/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/2/2000
Trichloroethene	2	ug/l	0.16	0.51	0.5	1		8260	cps	2/2/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/2/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/2/2000

Sample Number: **18458** QC Prep Batch Number: 993297 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000131WA09P** Sample Description: *Collection: 1/31/2000 Time: 13:45*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/2/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	2/2/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/2/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/2/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	2/2/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	2/2/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/2/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/2/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/2/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	2/2/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/2/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/2/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	2/2/2000
1,2-Dichloroethane	0.43	ug/l	0.19	0.6	0.5	1	J	8260	cps	2/2/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	2/2/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/2/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/2/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/2/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/2/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/2/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/2/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	2/2/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/2/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/2/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/2/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/2/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/2/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/2/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/2/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/2/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/2/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000065**
DATE REPORTED: 03-Feb-00
DATE RECEIVED: 31-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	2/2/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/2/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/2/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	2/2/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/2/2000
Chloroform	0.41	ug/l	0.27	0.86	0.6	1	J	8260	cps	2/2/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/2/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	2/2/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/2/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/2/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/2/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/2/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/2/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/2/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/2/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/2/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/2/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	2/2/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/2/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/2/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/2/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/2/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/2/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/2/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/2/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/2/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/2/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/2/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/2/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/2/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/2/2000
Trichloroethene	0.36	ug/l	0.16	0.51	0.5	1	J	8260	cps	2/2/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/2/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/2/2000

Sample Number: **18459** QC Prep Batch Number: 993297 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 1/31/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/2/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	2/2/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/2/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/2/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	2/2/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000065**
DATE REPORTED: 03-Feb-00
DATE RECEIVED: 31-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	2/2/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/2/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/2/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/2/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	2/2/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/2/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/2/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	2/2/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/2/2000
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	2/2/2000
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/2/2000
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	2/2/2000
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/2/2000
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	2/2/2000
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/2/2000
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/2/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	2/2/2000
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/2/2000
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/2/2000
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/2/2000
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	2/2/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	2/2/2000
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/2/2000
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/2/2000
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/2/2000
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/2/2000
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	2/2/2000
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	2/2/2000
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/2/2000
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	2/2/2000
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	2/2/2000
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	2/2/2000
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/2/2000
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	2/2/2000
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/2/2000
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	2/2/2000
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/2/2000
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	2/2/2000
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	2/2/2000
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/2/2000
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	2/2/2000
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/2/2000
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	2/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000065**
DATE REPORTED: 03-Feb-00
DATE RECEIVED: 31-Jan-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling Jan
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	2/2/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/2/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/2/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/2/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/2/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/2/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/2/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/2/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/2/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/2/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/2/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/2/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/2/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/2/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	2/2/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/2/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/2/2000

Approved By: _____ **Date:** ____/____/____

James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
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
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.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000065
DATE REPORTED: 11-Feb-00
DATE RECEIVED: 31-Jan-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Nova Sample Number: 18452
Client ID: 000131WA01P

Collection: 1/31/2000 Time: 13:25
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	16	ug/l	J RJ	5.6	18	206.2	dmd	2/8/2000	993332	
Barium - ICAP	2.3	mg/l	RJ	0.007	0.02	200.7	dmd	2/8/2000	993330	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	2/4/2000	993308	
Chromium, Total - ICAP	0.02	mg/l	J RJ	0.008	0.03	200.7	dmd	2/8/2000	993330	
Copper- ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	dmd	2/8/2000	993330	
Iron - ICAP	2.3	mg/l	RJ	0.081	0.26	200.7	dmd	2/8/2000	993330	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	dmd	2/3/2000	993301	
Manganese - ICAP	0.17	mg/l	RJ	0.006	0.02	200.7	dmd	2/8/2000	993330	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	mp	2/9/2000	993351	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	dmd	2/8/2000	993330	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	dmd	2/8/2000	993335	
Silver - ICAP	0.008	mg/l	J RJ	0.004	0.01	200.7	dmd	2/8/2000	993330	
Thallium - Furnace AA	<4.9	ug/l	RJ	4.9	16	279.2	dmd	2/8/2000	993328	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	dmd	2/8/2000	993330	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	2/1/2000	993315	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	pm	2/8/100	993350	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	pm	2/8/2000	993353	
pH (water)	6.9	s.u.	#			150.1	srh	1/31/2000	993293	

Nova Sample Number: 18453
Client ID: 000131WA09R

Collection: 1/31/2000 Time: 13:47
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	dmd	2/8/2000	993332	
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	dmd	2/8/2000	993330	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	2/4/2000	993308	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	dmd	2/8/2000	993330	
Copper- ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	dmd	2/8/2000	993330	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	dmd	2/8/2000	993330	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	dmd	2/3/2000	993301	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	dmd	2/8/2000	993330	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	mp	2/9/2000	993351	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	dmd	2/8/2000	993330	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	dmd	2/8/2000	993335	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000065
DATE REPORTED: 11-Feb-00
DATE RECEIVED: 31-Jan-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	dmd	2/8/2000	*993330*	
Thallium - Furnace AA	**<4.9**	**ug/l**		**RJ**	4.9	16	279.2	dmd	2/8/2000	*993328*	
Zinc - ICAP	**0.04**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	dmd	2/8/2000	*993330*	
Nova Sample Number: 18454											
Client ID: **000131WA02P**									Collection: 1/31/2000		Time: 13:29
									Sample Description:		
pH (water)	**9.9**	**s.u.**	#				150.1	srh	1/31/2000	*993293*	
Nova Sample Number: 18455											
Client ID: **000131WA03P**									Collection: 1/31/2000		Time: 13:30
									Sample Description:		
pH (water)	**11**	**s.u.**	#				150.1	srh	1/31/2000	*993293*	
Nova Sample Number: 18456											
Client ID: **000131WA05P**									Collection: 1/31/2000		Time: 13:35
									Sample Description:		
pH (water)	**7.6**	**s.u.**	#				150.1	srh	1/31/2000	*993293*	
Nova Sample Number: 18458											
Client ID: **000131WA09P**									Collection: 1/31/2000		Time: 13:45
									Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500	128053	2/1/2000	*993315*	
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	pm	2/8/100	*993350*	
Cyanide, Total	**<0.006**	**mg/l**			0.006	0.02	335.2	pm	2/8/2000	*993353*	
pH (water)	**7.5**	**s.u.**	#				150.1	srh	1/31/2000	*993293*	

Approved By: _____ **Date:** 2/11/00
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 Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, 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.