March 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 February, 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

March 15, 2000

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for February, 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.

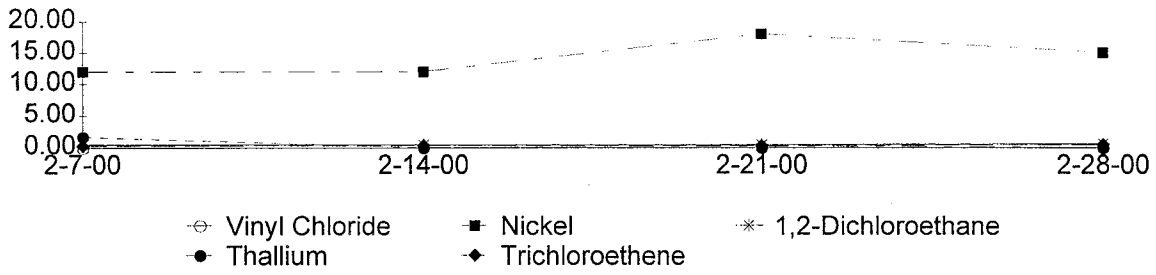
1.3 Effluent Monitoring

Weekly monitoring was conducted on February 7, 14, 21, and 28. The weekly samples for February were tested by APL, Inc. The monthly samples that were taken on February 7, were split-sampled and sent to En Chem, Inc. located in Madison, WI. This was requested by the USACE and will be conducted quarterly for their QA requirements. The results of the effluent monitoring tests for the samples taken in February showed four exceedences of the WDNR effluent discharge permit for 1,2-Dichloroethane and Thallium on the February 7 sampling, for Vinyl Chloride on the February 21 sampling, and for 1,2-Dichloroethane on the February 28 sampling. The possible causes of the high levels of 1,2-Dichloroethane, Thallium, and Vinyl Chloride are discussed in Section 2.0.

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

Paul Kozol, of the WDNR, was notified about the exceedence on 1,2-Dichloroethane on the February 7 sampling from APL, Inc.. The result of 1,2-Dichloroethane was 0.51 ug/l and the permit limit is 0.5 ug/l. The sample was reran to verify the results and the second result was 0.46 ug/l. The sample was split-sampled with En Chem, Inc. of Madison, WI, at the request of the USACE, so, Mr. Kozol wants to compare their result to APL, Inc. En Chem's result was less than the Level of Detection (LOD). Mr. Kozol authorized the treatment plant to continue to operate based on the En Chem, Inc. results and on the results of the 1,2-Dichloroethane during the next 2 sampling periods. The next 2 sample results were both 0.45 ug/l of 1,2-Dichloroethane on February 14 and 21 but the February 28 result was 0.59 ug/l. There are plans to change out the spent Carbon in the near future. On February 7, there was, also, an exceedence of Thallium from the En Chem analysis. The result of Thallium was 1.7 ug/l for En Chem and less than the Level of Detection (LOD) for APL, Inc. and the permit limit is 0.4 ug/l. Mr. Kozol allowed for continued plant operations due to the past 3 years history on Thallium not being an issue. On February 21, there was an exceedence of Vinyl Chloride from the APL, Inc. analysis. The result of Vinyl Chloride was 0.27 ug/l and the permit limit is 0.2 ug/l. The cause of the Vinyl Chloride exceedence may be due to a glue used during the installation of the shower stall prior to the sampling. Another round of sampling was conducted on February 28. If there are any more VOC exceedences, the spent Carbon will be changed out as soon as the results are confirmed. The next round of split sampling by the USACE will be conducted in June 2000.

3.0 Treatment Plant Shut Down

The Treatment Plant was one shut down time for a total of 0.25 hours in February, 2000. The shut down was due to Inspect the DAS-500 Wiring for a future modification project. Table 1 shows the summary of the plant down time for the month of February, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
2-8-00	0.25	Shut Down to Inspect DAS-500 Wiring
TOTAL	**0.25**	

3.1 Shut Down Due To Inspect DAS-500 Wiring

On February 8, the treatment plant was shut down to inspect the wiring for the Diffused Air Stripper (DAS-500). The wiring was inspected for the proposal of installing another Diffused Air Stripper in the near future. The second Diffused Air Stripper may replace the Granular Activated Carbon Filters (GAC-650/651). The total down time was 0.25 hour.

4.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on February 7, 14, 21, and 28 of 2000. Split-Sampling and analysis was conducted on the February 7 samples. The laboratory results of these samples showed that 1,2-Dichloroethane, Thallium, and Vinyl Chloride exceeded the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit. See Chart 1, Section 1.4 for *Important Indicator Parameters*. The USACE exercised their option to split-sample the effluent for their QA analysis by an outside laboratory. This will be incorporated on a quarterly basis.

During the month of February, 2000, the plant was shut down one time for a total of 0.25 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 March 15, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	2-7-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11	N/A	N/A	7.6	Monitor	
TSS	4.5/1.5	NT	NT	NT	1/ND	Monitor	mg/l
Arsenic	ND/ND	NT	NT	NT	ND/ND	5	
Barium	120/110	NT	NT	NT	20/22	400	
Cadmium	ND/ND	NT	NT	NT	ND/0.23	0.5	
Cadmium Total Recoverable	ND/ND	NT	NT	NT	ND/0.36	Monitor	
Chromium +6	ND/ND	NT	NT	NT	ND/ND	Monitor	
Chromium Total	ND/ND	NT	NT	NT	ND/0.89	10	
Copper	ND/ND	NT	NT	NT	ND/ND	Monitor	
Iron	1100/1600	NT	NT	NT	1000/37	Monitor	
Lead	ND/ND	NT	NT	NT	ND/0.14	1.5	
Manganese	180/180	NT	NT	NT	6/1.1	Monitor	
Mercury	ND/ND	NT	NT	NT	ND/ND	0.2	
Nickel	30/40	NT	NT	NT	ND/12	20	
Selenium	8.3/ND	NT	NT	NT	ND/ND	10	
Silver	ND/ND	NT	NT	NT	ND/ND	10	
Thallium	ND/ND	NT	NT	NT	ND/1.7	0.4	
Zinc	ND/16	NT	NT	NT	ND/5.6	Monitor	
Cyanide	ND/ND	NT	NT	NT	ND/ND	40	
Cyanide Free	ND/ND	NT	NT	NT	ND/ND	Monitor	
1,1-Dichloroethane	54/41	NT	ND	NT	ND/ND	85	
1,2-Dichloroethane	ND/ND	NT	0.54	NT	0.51/ND	0.5	
1,1-Dichloroethene	28/18	NT	ND	NT	ND/ND	0.7	
1,2-Dichloroethene Cis	77/58	NT	ND	NT	ND/ND	7	
1,2-Dichloroethene Trans	22/16	NT	ND	NT	ND/ND	20	
Ethylbenzene	ND/ND	NT	ND	NT	ND/ND	140	
Methylene Chloride	ND/ND	NT	ND	NT	ND/ND	0.5	
Tetrachloroethene	7.1/7.7	NT	ND	NT	ND/ND	0.5	
Toluene	ND/ND	NT	ND	NT	ND/ND	68	
1,1,1-Trichloroethane	277/184	NT	0.34	NT	ND/ND	40	
1,1,2-Trichloroethane	ND/ND	NT	ND	NT	ND/ND	0.5	
TCE	698/579	NT	1.6	NT	0.27/ND	0.5	
Vinyl Chloride	2.2/ND	NT	ND	NT	ND/ND	0.2	
Xylene Total	ND/ND	NT	ND	NT	ND/ND	124	
COD	15/13	NT	NT	NT	ND/15	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	ND/ND	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.8/1.9	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	ND/0.061	Monitor	mg/l

Effluent was split-sampled with En-Chem Laboratories by the USACE. (Second Entry).

Influent was duplicate-sampled for in-house QA testing by APL, Inc.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	2-14-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.8	11	N/A	N/A	NT	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	ND	Monitor	
Iron	1600	NT	NT	NT	ND	Monitor	
Lead	3.7	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	12	20	
Selenium	5.4	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	20	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	56	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	0.59	NT	0.45	0.5	
1,1-Dichloroethene	25	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	80	NT	0.44	NT	ND	7	
1,2-Dichloroethene Trans	23	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	253	NT	0.33	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	606	NT	1.5	NT	0.34	0.5	
Vinyl Chloride	2.5	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:	2-21-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.2	11	N/A	N/A	7.6	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	9	Monitor	
Iron	930	NT	NT	NT	ND	Monitor	
Lead	4.9	NT	NT	NT	ND	1.5	
Manganese	190	NT	NT	NT	ND	Monitor	
Mercury	19	NT	NT	NT	ND	0.2	
Nickel	50	NT	NT	NT	18	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	20	NT	NT	NT	20	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	32	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	0.86	NT	0.45	0.5	
1,1-Dichloroethene	23	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	58	NT	0.24	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	7.1	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	228	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	550	NT	0.78	NT	0.24	0.5	
Vinyl Chloride	2.5	NT	ND	NT	0.27	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:	2-28-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11	N/A	N/A	7.9	Monitor	
TSS	NT	NT	NT	NT	NT	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	10	NT	NT	NT	8	Monitor	
Iron	1200	NT	NT	NT	90	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	160	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	15	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	40	NT	NT	NT	30	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	52	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	0.55	NT	0.59	0.5	
1,1-Dichloroethene	32	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	71	NT	0.54	NT	ND	7	
1,2-Dichloroethene Trans	22	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	7.4	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	367	NT	0.49	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	905	NT	2.6	NT	0.46	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

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL		FEET		
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
July 31, 1998	6.64	DRY	3.74	4.26	8.00	COVERED
Aug. 31, 1998	7.70	DRY	DRY	5.34	8.70	COVERED
Sept. 17, 1998	7.50	DRY	DRY	5.00	8.66	COVERED
Oct. 7, 1998	6.50	DRY	3.75	4.10	8.34	COVERED
Nov. 23, 1998	6.66	DRY	DRY	4.37	8.17	COVERED
Dec. 15, 1998	5.90	DRY	3.40	3.75	8.20	COVERED
Jan. 18, 1999	6.60	DRY	3.75	4.72	8.25	COVERED
Feb. 3, 1999	5.36	6.10	3.15	2.90	7.15	COVERED
Mar. 3-4, 1999	5.51	DRY	3.20	3.04	7.40	COVERED
Apr. 15, 1999	5.30	6.20	3.25	4.40	6.92	COVERED
May 10, 1999	5.50	6.35	3.35	3.40	7.05	COVERED
June 18, 1999	4.95	6.05	3.00	3.22	6.81	COVERED
July 13, 1999	6.30	DRY	3.80	4.05	7.90	COVERED
August 06, 1999	6.37	DRY	3.58	4.00	7.65	COVERED
Sept. 15, 20, 1999	7.68	DRY	DRY	5.60	DRY	COVERED
October 06, 1999	6.60	DRY	3.84	4.14	DRY	COVERED
November 9,1999	7.78	DRY	DRY	5.48	DRY	COVERED
December 6-7, 1999	6.70	DRY	DRY	4.50	DRY	COVERED
January 7, 2000	7.50	DRY	DRY	5.10	DRY	COVERED
February 7, 2000	7.60	DRY	DRY	5.25	DRY	COVERED

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
July 31, 1998	4.75	3.78	5.75	4.80	10.49	UNACCESS.
Aug. 31, 1998	5.64	4.48	6.38	4.80	11.64	UNACCESS.
Sept. 17, 1998	5.35	3.20	6.31	4.86	11.10	UNACCESS.
Oct. 7, 1998	4.75	3.65	5.79	4.75	10.60	UNACCESS.
Nov. 23, 1998	4.73	3.70	5.82	4.56	10.46	UNACCESS.
Dec. 15, 1998	4.10	3.00	5.85	4.70	9.95	UNACCESS.
Jan. 18, 1999	4.70	3.70	5.70	5.00	10.50	UNACCESS.
Feb. 3, 1999	3.50	2.48	4.85	3.00	9.27	UNACCESS.
Mar. 3-4, & 16, 1999	3.50	2.70	5.15	3.40	9.20	2.95
Apr. 15,1999	3.61	3.20	4.84	2.60	9.25	2.63
May 10, 1999	3.85	3.05	4.95	2.80	9.45	3.80
June 18, 1999	3.71	3.75	4.87	2.49	9.29	2.81
July 13-14, 1999	4.50	3.65	5.74	3.82	10.19	3.05
August 06, 1999	4.62	3.59	5.48	3.26	10.17	3.32
Sept.13,15,20,23,' 99	6.00	4.90	6.51	4.80	10.95	4.17
October 06, 1999	4.80	3.80	6.00	4.56	10.70	3.40
November 9, 1999	5.80	4.72	6.52	5.63	11.50	5.64
December 6-7, 1999	4.41	3.50	6.17	5.30	10.28	3.10
January 7, 2000	4.40	5.45	6.35	5.60	11.00	4.60
February 7, 2000	5.70	4.65	6.65	5.90	11.50	4.00

EFFLUENT FLOW FROM PLANT

YEAR: 2000

MONTH: Feb. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	2,727,391.00	13,003.00	26,006.00	0.026	
2	2,740,394.00	11,031.00	22,062.00	0.022	
3	2,751,425.00	13,229.00	26,458.00	0.026	
4	2,764,654.00	9,029.00	18,058.00	0.018	
5	2,773,683.00	10,007.00	20,014.00	0.020	
6	2,783,690.00	16,373.00	32,746.00	0.033	
7	2,800,063.00	9,936.00	19,872.00	0.020	
8	2,809,999.00	11,194.00	22,388.00	0.022	SHUT DOWN
9	2,821,193.00	11,630.00	23,260.00	0.023	
10	2,832,823.00	11,894.00	23,788.00	0.024	
11	2,844,717.00	10,796.00	21,592.00	0.022	
12	2,855,513.00	11,533.00	23,066.00	0.023	
13	2,867,046.00	12,241.00	24,482.00	0.024	
14	2,879,287.00	10,405.00	20,810.00	0.021	
15	2,889,692.00	12,990.00	25,980.00	0.026	
16	2,902,682.00	7,546.00	15,092.00	0.015	
17	2,910,228.00	12,573.00	25,146.00	0.025	
18	2,922,801.00	8,378.00	16,756.00	0.017	
19	2,931,179.00	9,423.00	18,846.00	0.019	
20	2,940,602.00	7,058.00	14,116.00	0.014	
21	2,947,660.00	11,036.00	22,072.00	0.022	
22	2,958,696.00	12,531.00	25,062.00	0.025	
23	2,971,227.00	12,053.00	24,106.00	0.024	
24	2,983,280.00	10,389.00	20,778.00	0.021	
25	2,993,669.00	9,935.00	19,870.00	0.020	
26	3,003,604.00	12,032.00	24,064.00	0.024	
27	3,015,636.00	13,096.00	26,192.00	0.026	
28	3,028,732.00	13,757.00	27,514.00	0.028	
29	3,042,489.00	13,852.00	27,704.00	0.028	
March 01	3,056,341.00				
			TOTAL	0.658	
			AVERAGE	0.023	

FLOW FROM EQT-100

YEAR: 2000				
MONTH: Feb. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	8,349,051.00	31,324.00	0.031	
2	8,380,375.00	27,406.00	0.027	
3	8,407,781.00	33,843.00	0.034	
4	8,441,624.00	20,872.00	0.021	
5	8,462,496.00	27,359.00	0.027	
6	8,489,855.00	42,390.00	0.042	
7	8,532,245.00	27,988.00	0.028	
8	8,560,233.00	31,413.00	0.031	SHUT DOWN
9	8,591,646.00	28,152.00	0.028	
10	8,619,798.00	30,278.00	0.030	
11	8,650,076.00	23,901.00	0.024	
12	8,673,977.00	29,379.00	0.029	
13	8,703,356.00	31,859.00	0.032	
14	8,735,215.00	24,085.00	0.024	
15	8,759,300.00	29,796.00	0.030	
16	8,789,096.00	19,978.00	0.020	
17	8,809,074.00	29,812.00	0.030	
18	8,838,886.00	20,119.00	0.020	
19	8,859,005.00	21,535.00	0.022	
20	8,880,540.00	21,905.00	0.022	
21	8,902,445.00	28,507.00	0.029	
22	8,930,952.00	28,392.00	0.028	
23	8,959,344.00	28,314.00	0.028	
24	8,987,658.00	25,328.00	0.025	
25	9,012,986.00	23,244.00	0.023	
26	9,036,230.00	29,558.00	0.030	
27	9,065,788.00	36,857.00	0.037	
28	9,102,645.00	27,242.00	0.027	
29	9,129,887.00	34,725.00	0.035	
March 01	9,164,612.00			
		TOTAL	0.814	
		AVERAGE	0.028	

FLOW FROM EXTRACTION WELLS

YEAR: 2000

MONTH: Feb. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	5,258,339.00	24,958.00	0.025	
2	5,283,297.00	20,026.00	0.020	
3	5,303,323.00	26,383.00	0.026	
4	5,329,706.00	19,172.00	0.019	
5	5,348,878.00	22,795.00	0.023	
6	5,371,673.00	26,171.00	0.026	
7	5,397,844.00	22,280.00	0.022	
8	5,420,124.00	22,689.00	0.023	
9	5,442,813.00	21,041.00	0.021	
10	5,463,854.00	23,094.00	0.023	
11	5,486,948.00	18,962.00	0.019	
12	5,505,910.00	23,269.00	0.023	
13	5,529,179.00	23,122.00	0.023	
14	5,552,301.00	17,944.00	0.018	
15	5,570,245.00	24,872.00	0.025	
16	5,595,117.00	16,671.00	0.017	
17	5,611,788.00	23,107.00	0.023	
18	5,634,895.00	15,347.00	0.015	
19	5,650,242.00	17,054.00	0.017	
20	5,667,296.00	17,132.00	0.017	
21	5,684,428.00	21,648.00	0.022	
22	5,706,076.00	21,917.00	0.022	
23	5,727,993.00	22,912.00	0.023	
24	5,750,905.00	19,807.00	0.020	
25	5,770,712.00	22,060.00	0.022	
26	5,792,772.00	23,909.00	0.024	
27	5,816,681.00	26,605.00	0.027	
28	5,843,286.00	17,844.00	0.018	SHUT DOWN
29	5,861,130.00	22,090.00	0.022	SHUT DOWN
March 01	5,883,220.00			SHUT DOWN
		TOTAL	0.625	
		AVERAGE	0.022	

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER	20000083
DATE REPORTED:	24-Feb-00
DATE RECEIVED:	07-Feb-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Sludge Sample
PROJECT NAME:	OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 18530										
Client ID: 000204SC13P								Collection: 2/4/2000	Time: 12:50	
								Sample Description:		
Cyanide, Reactive	0.42	mg/kg		0.031	0.10	9010	pm/srh	2/17/2000	993440	
Free Liquids (paint filter test)	pass		#			9095	srh	2/10/2000	993355	
pH (Solids)	11	s.u.	#			9045	PM	2/10/2000	993361	
Solids, Total Percent	33	%	#			SM 2540	pm	2/9/2000	993346	
Specific Gravity	1.2	s.u.	#			SM 2710	srh	2/10/2000	993364	
Nova Sample Number: 18531										
Client ID: 000204SC13p								Collection: 2/4/2000	Time: 12:50	
								Sample Description:		
Cadmium - ICAP	<0.007	mg/l	TC	0.007	0.02	200.7	dmd	2/18/2000	993446	
Chromium, Total - ICAP	<0.008	mg/l	TC	0.008	0.03	200.7	dmd	2/18/2000	993446	
Lead - ICAP	<0.049	mg/l	TC	0.049	0.16	200.7	dmd	2/18/2000	993446	
Nickel - ICAP	<0.011	mg/l	TC	0.011	0.03	200.7	dmd	2/18/2000	993446	
Silver - ICAP	<0.004	mg/l	TC	0.004	0.01	200.7	dmd	2/18/2000	993446	
TCLP extraction	done		#			1311	dmd	2/15/2000	993400	

Approved By: _____ **Date:** 2/24/00

James Chang, Ph.D. , Lab Director

TC Result is expressed as concentration of TCLP extract.

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

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

WDNR# 241340550

BATCH NUMBER: **20000089**
DATE REPORTED: 09-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: **18552** QC Prep Batch Number: 993339 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000207WA01P** Sample Description: *Collection: 2/7/2000 Time: 13:10*

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	2/8/2000
1,1,1-Trichloroethane	277	ug/l	2.3	7.3	40	10		8260	cps	2/8/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	2/8/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	2/8/2000
1,1-Dichloroethane	54	ug/l	1.5	4.8	85	10		8260	cps	2/8/2000
1,1-Dichloroethene	28	ug/l	3.6	11	0.7	10		8260	cps	2/8/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	2/8/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	2/8/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	2/8/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	2/8/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/8/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	2/8/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	2/8/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	2/8/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	2/8/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/8/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	2/8/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	2/8/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	2/8/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	2/8/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	2/8/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	2/8/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/8/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	2/8/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	2/8/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	2/8/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	2/8/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	2/8/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	2/8/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	2/8/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	2/8/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	2/8/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	2/8/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	2/8/2000
Chlorobenzene	2.3	ug/l	2	6.4	20	10	J	8260	cps	2/8/2000
Chloroethane	13	ug/l	12	37	80	10	J	8260	cps	2/8/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	2/8/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	2/8/2000
cis-1,2-Dichloroethene	77	ug/l	2	6.4	7	10		8260	cps	2/8/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	2/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000089
DATE REPORTED: 09-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	2/8/2000
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	cps	2/8/2000
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	cps	2/8/2000
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	cps	2/8/2000
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	2/8/2000
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	cps	2/8/2000
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	cps	2/8/2000
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	cps	2/8/2000
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	cps	2/8/2000
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	cps	2/8/2000
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/8/2000
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	2/8/2000
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	cps	2/8/2000
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	cps	2/8/2000
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	cps	2/8/2000
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	2/8/2000
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	cps	2/8/2000
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	cps	2/8/2000
Tetrachloroethene	7.1	ug/l	2.9	9.2	0.5	10	J	8260	cps	2/8/2000
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	cps	2/8/2000
trans-1,2-Dichloroethene	22	ug/l	1.6	5.1	20	10		8260	cps	2/8/2000
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	cps	2/8/2000
Trichloroethene	698	ug/l	1.6	5.1	0.5	10		8260	cps	2/8/2000
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	2/8/2000
Vinyl chloride	2.2	ug/l	2.1	6.7	0.02	10	J	8260	cps	2/8/2000

Sample Number: 18553 QC Prep Batch Number: 993339 *Sample analyzed within 1 Day(s) from collection.*
Client ID: 00207WA01Q Sample Description: *Collection: 2/7/2000 Time: 13:15*

1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	2/8/2000
1,1,1-Trichloroethane	184	ug/l	2.3	7.3	40	10		8260	cps	2/8/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	2/8/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	2/8/2000
1,1-Dichloroethane	41	ug/l	1.5	4.8	85	10		8260	cps	2/8/2000
1,1-Dichloroethene	18	ug/l	3.6	11	0.7	10		8260	cps	2/8/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	2/8/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	2/8/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	2/8/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	2/8/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/8/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	2/8/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	2/8/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	2/8/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000089
DATE REPORTED: 09-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	2/8/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/8/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	2/8/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	2/8/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	2/8/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	2/8/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	2/8/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	2/8/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/8/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	2/8/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	2/8/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	2/8/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	2/8/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	2/8/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	2/8/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	2/8/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	2/8/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	2/8/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	2/8/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	2/8/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	2/8/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	2/8/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	2/8/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	2/8/2000
cis-1,2-Dichloroethene	58	ug/l	2	6.4	7	10		8260	cps	2/8/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	2/8/2000
Dibromochloromethane	< 2.1	ug/l	2.1	6.7	6	10		8260	cps	2/8/2000
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	cps	2/8/2000
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	cps	2/8/2000
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	cps	2/8/2000
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	2/8/2000
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	cps	2/8/2000
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	cps	2/8/2000
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	cps	2/8/2000
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	cps	2/8/2000
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	cps	2/8/2000
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/8/2000
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	2/8/2000
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	cps	2/8/2000
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	cps	2/8/2000
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	cps	2/8/2000
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	2/8/2000
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	cps	2/8/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000089
DATE REPORTED: 09-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 2	ug/l	2	6.4	ns	10		8260	cps	2/8/2000
Tetrachloroethene	7.7	ug/l	2.9	9.2	0.5	10	J	8260	cps	2/8/2000
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	cps	2/8/2000
trans-1,2-Dichloroethene	16	ug/l	1.6	5.1	20	10		8260	cps	2/8/2000
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	cps	2/8/2000
Trichloroethene	579	ug/l	1.6	5.1	0.5	10		8260	cps	2/8/2000
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	2/8/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	2/8/2000

Sample Number: 18557 QC Prep Batch Number: 993339 *Sample analyzed within 1 Day(s) from collection.*
Client ID: 00207WA07P Sample Description: *Collection: 2/7/2000 Time: 13:37*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/8/2000
1,1,1-Trichloroethane	0.34	ug/l	0.23	0.73	40	1	J	8260	cps	2/8/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/8/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/8/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	2/8/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	2/8/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/8/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/8/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/8/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	2/8/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/8/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/8/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	2/8/2000
1,2-Dichloroethane	0.54	ug/l	0.19	0.6	0.5	1	J	8260	cps	2/8/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	2/8/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/8/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/8/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/8/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/8/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/8/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/8/2000
2-Butanone (MEK)	111	ug/l	1.4	4.4	90	1		8260	cps	2/8/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/8/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/8/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/8/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/8/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/8/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/8/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/8/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000089
DATE REPORTED: 09-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	2/8/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/8/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/8/2000
Chlorobenzene	0.28	ug/l	0.2	0.64	20	1	J	8260	cps	2/8/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/8/2000
Chloroform	0.38	ug/l	0.27	0.86	0.6	1	J	8260	cps	2/8/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/8/2000
cis-1,2-Dichloroethene	0.46	ug/l	0.2	0.64	7	1	J	8260	cps	2/8/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/8/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/8/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/8/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/8/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/8/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/8/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/8/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/8/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/8/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	2/8/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/8/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/8/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/8/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/8/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/8/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/8/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/8/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/8/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/8/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/8/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/8/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/8/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/8/2000
Trichloroethene	1.6	ug/l	0.16	0.51	0.5	1		8260	cps	2/8/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/8/2000

Sample Number: **18558** QC Prep Batch Number: 993339 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 2/7/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/8/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	2/8/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/8/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/8/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	2/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000089
DATE REPORTED: 09-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	2/8/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/8/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/8/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/8/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	2/8/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/8/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/8/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	2/8/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/8/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	2/8/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/8/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/8/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/8/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/8/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/8/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	2/8/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/8/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/8/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/8/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/8/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/8/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/8/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/8/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/8/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	2/8/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/8/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/8/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	2/8/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/8/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	2/8/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/8/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	2/8/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/8/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/8/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/8/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/8/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/8/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/8/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/8/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/8/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000089
DATE REPORTED: 09-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	2/8/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/8/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/8/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/8/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/8/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/8/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/8/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/8/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/8/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/8/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/8/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/8/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/8/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/8/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	2/8/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/8/2000

Sample Number: 18559 QC Prep Batch Number: 993339 *Sample analyzed within 1 Day(s) from collection.*
Client ID: 00207WA09P Sample Description: *Collection: 2/7/2000 Time: 13:45*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/8/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	2/8/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/8/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/8/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	2/8/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	2/8/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/8/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/8/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/8/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	2/8/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/8/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/8/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	2/8/2000
1,2-Dichloroethane	0.51	ug/l	0.19	0.6	0.5	1	J	8260	cps	2/8/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	2/8/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/8/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/8/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/8/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/8/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/8/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	2/8/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000089
DATE REPORTED: 09-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/8/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/8/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/8/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/8/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/8/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/8/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/8/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/8/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	2/8/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/8/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/8/2000
Chlorobenzene	0.35	ug/l	0.2	0.64	20	1	J	8260	cps	2/8/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/8/2000
Chloroform	0.51	ug/l	0.27	0.86	0.6	1	J	8260	cps	2/8/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/8/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	2/8/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/8/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/8/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/8/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/8/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/8/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/8/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/8/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/8/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/8/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	2/8/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/8/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/8/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/8/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/8/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/8/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/8/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/8/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/8/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/8/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/8/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/8/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/8/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/8/2000
Trichloroethene	0.27	ug/l	0.16	0.51	0.5	1	J	8260	cps	2/8/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	20000089
DATE REPORTED:	09-Feb-00
DATE RECEIVED:	08-Feb-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
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

Approved By: _____ **Date:** 2/23/00
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 20000089
DATE REPORTED: 24-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 18552
Client ID: 000207WA01P
Collection: 2/7/2000 Time: 13:10
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	0.12	mg/l		RJ	0.007	0.02	200.7	dmd	2/15/2000	993392	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	2/15/2000	993389	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	2/15/2000	993392	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	2/15/2000	993392	
Iron - ICAP	1.1	mg/l		RJ	0.081	0.26	200.7	dmd	2/15/2000	993392	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	dmd	2/9/2000	993348	
Manganese - ICAP	0.18	mg/l		RJ	0.006	0.02	200.7	dmd	2/15/2000	993392	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	mp	2/9/2000	993351	
Nickel - ICAP	0.03	mg/l	J	RJ	0.011	0.03	200.7	dmd	2/15/2000	993392	
Selenium - Furnace AA	8.3	ug/l	J	RJ	4.8	15	270.2	dmd	2/8/2000	993335	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	dmd	2/15/2000	993392	
Thallium - Furnace AA	<4.9	ug/l		RJ	4.9	16	279.2	dmd	2/8/2000	993328	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	dmd	2/15/2000	993392	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	2/8/2000	993385	
COD. Total	15	mg/l	J		7.3	23	410.4-CT	128053	2/16/2000	993414	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	srh	2/17/2000	993430	
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	srh	2/17/2000	993429	
pH (water)	7	s.u.	#				150.1	PM	2/10/2000	993362	
Solids, Total Suspended	1.5	mg/l	J		1	3.2	SM 2540	pm	2/15/2000	993403	

Nova Sample Number: 18553
Client ID: 00207WA01Q
Collection: 2/7/2000 Time: 13:15
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	dmd	2/8/2000	993332	
Barium - ICAP	0.11	mg/l		RJ	0.007	0.02	200.7	dmd	2/15/2000	993392	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	2/15/2000	993389	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	2/15/2000	993392	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	2/15/2000	993392	
Iron - ICAP	1.6	mg/l		RJ	0.081	0.26	200.7	dmd	2/15/2000	993392	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	dmd	2/9/2000	993348	
Manganese - ICAP	0.18	mg/l		RJ	0.006	0.02	200.7	dmd	2/15/2000	993392	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	mp	2/9/2000	993351	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	20000089
DATE REPORTED:	24-Feb-00
DATE RECEIVED:	08-Feb-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	
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	0.04	mg/l	RJ	0.011	0.03	200.7	dmd	2/15/2000	993392	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	dmd	2/8/2000	993335	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	dmd	2/15/2000	993392	
Thallium - Furnace AA	<4.9	ug/l	RJ	4.9	16	279.2	dmd	2/8/2000	993328	
Zinc - ICAP	16	ug/l	J RJ	14	45	200.7	dmd	2/15/2000	993392	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	2/8/2000	993385	
COD, Total	13	mg/l	J	7.3	23	410.4-CT	128053	2/16/2000	993414	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	srh	2/17/2000	993430	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	srh	2/17/2000	993429	
pH (water)	7	s.u.	#			150.1	PM	2/10/2000	993362	
Solids, Total Suspended	4.5	mg/l		1	3.2	SM 2540	pm	2/15/2000	993403	

Nova Sample Number: 18554
Client ID: 00207WA02P
Collection: 2/7/2000 Time: 13:26
Sample Description:

pH (water)	9.7	s.u.	#			150.1	PM	2/10/2000	993362	

Nova Sample Number: 18555
Client ID: 00207WA03P
Collection: 2/7/2000 Time: 13:27
Sample Description:

pH (water)	11	s.u.	#			150.1	PM	2/10/2000	993362	

Nova Sample Number: 18556
Client ID: 00207WA05P
Collection: 2/7/2000 Time: 13:35
Sample Description:

pH (water)	7.8	s.u.	#			150.1	PM	2/10/2000	993362	

Nova Sample Number: 18559
Client ID: 00207WA09P
Collection: 2/7/2000 Time: 13:45
Sample Description:

Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	2/8/2000	993385	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	srh	2/17/2000	993430	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	srh	2/17/2000	993429	
pH (water)	7.6	s.u.	#			150.1	PM	2/10/2000	993362	

Nova Sample Number: 18560
Client ID: 00207WA09R
Collection: 2/7/2000 Time: 12:00
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	dmd	2/8/2000	993332	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000089
DATE REPORTED: 24-Feb-00
DATE RECEIVED: 08-Feb-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID:
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
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	dmd	2/15/2000	993392	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	2/15/2000	993389	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	dmd	2/15/2000	993392	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	dmd	2/15/2000	993392	
Iron - ICAP	1	mg/l	RJ	0.081	0.26	200.7	dmd	2/15/2000	993392	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	dmd	2/9/2000	993348	
Manganese - ICAP	0.006	mg/l	J RJ	0.006	0.02	200.7	dmd	2/15/2000	993392	
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	2/15/2000	993392	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	dmd	2/8/2000	993335	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	dmd	2/15/2000	993392	
Thallium - Furnace AA	<4.9	ug/l	RJ	4.9	16	279.2	dmd	2/8/2000	993328	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	dmd	2/15/2000	993392	
COD, Total	<7.3	mg/l		7.3	23	410.4-CT	128053	2/16/2000	993414	
Nitrate + Nitrite Nitrogen	1.8	mg/l		0.03	0.10	353.3	srh	2/15/100	993398	
Nitrogen, Ammonia	<0.1	mg/l		1.25	4.0	350.1	128053	2/14/2000	993417	
Phosphorus, Total	<0.1	mg/l		0.1	0.32	365.2	128053	2/15/2000	993415	
Solids, Total Suspended	1	mg/l	J	1	3.2	SM 2540	pm	2/15/2000	993403	

Approved By: _____ **Date:** 2/24/00
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:	**20000105**
DATE REPORTED:	16-Feb-00
DATE RECEIVED:	15-Feb-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

Sample Number: **18626** QC Prep Batch Number: 993413 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000214WA01P** Sample Description: *Collection: 2/14/2000 Time: 14:10*

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	2/15/2000
1,1,1-Trichloroethane	253	ug/l	2.3	7.3	40	10		8260	cps	2/15/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	2/15/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	2/15/2000
1,1-Dichloroethane	56	ug/l	1.5	4.8	85	10		8260	cps	2/15/2000
1,1-Dichloroethene	25	ug/l	3.6	11	0.7	10		8260	cps	2/15/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	2/15/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	2/15/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	2/15/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	2/15/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/15/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	2/15/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	2/15/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	2/15/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	2/15/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/15/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	2/15/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	2/15/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	2/15/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	2/15/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	2/15/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	2/15/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/15/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	2/15/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	2/15/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	2/15/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	2/15/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	2/15/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	2/15/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	2/15/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	2/15/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	2/15/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	2/15/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	2/15/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	2/15/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	2/15/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	2/15/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	2/15/2000
cis-1,2-Dichloroethene	80	ug/l	2	6.4	7	10		8260	cps	2/15/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	2/15/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000105**
DATE REPORTED:	16-Feb-00
DATE RECEIVED:	15-Feb-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	2/15/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	2/15/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	2/15/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	2/15/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	2/15/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	2/15/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	2/15/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	2/15/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	2/15/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	2/15/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/15/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	2/15/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	2/15/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	2/15/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	2/15/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	2/15/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	2/15/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	2/15/2000
Tetrachloroethene	5.9	ug/l	2.9	9.2	0.5	10	J	8260	cps	2/15/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	2/15/2000
trans-1,2-Dichloroethene	23	ug/l	1.6	5.1	20	10		8260	cps	2/15/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	2/15/2000
Trichloroethene	606	ug/l	1.6	5.1	0.5	10		8260	cps	2/15/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	2/15/2000
Vinyl chloride	2.5	ug/l	2.1	6.7	0.02	10	J	8260	cps	2/15/2000

Sample Number: **18631** QC Prep Batch Number: 993413 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000214WA07P** Sample Description: *Collection: 2/14/2000 Time: 14:35*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/15/2000
1,1,1-Trichloroethane	0.33	ug/l	0.23	0.73	40	1	J	8260	cps	2/15/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/15/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/15/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	2/15/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	2/15/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/15/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/15/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/15/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	2/15/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/15/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/15/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	2/15/2000
1,2-Dichloroethane	0.59	ug/l	0.19	0.6	0.5	1	J	8260	cps	2/15/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000105**
DATE REPORTED: 16-Feb-00
DATE RECEIVED: 15-Feb-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	2/15/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/15/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/15/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/15/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/15/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/15/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/15/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	2/15/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/15/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/15/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/15/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/15/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/15/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/15/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/15/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/15/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/15/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	2/15/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/15/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/15/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	2/15/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/15/2000
Chloroform	0.34	ug/l	0.27	0.86	0.6	1	J	8260	cps	2/15/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/15/2000
cis-1,2-Dichloroethene	0.44	ug/l	0.2	0.64	7	1	J	8260	cps	2/15/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/15/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/15/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/15/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/15/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/15/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/15/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/15/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/15/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/15/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	2/15/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/15/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/15/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/15/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/15/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/15/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/15/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/15/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/15/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000105**
DATE REPORTED: 16-Feb-00
DATE RECEIVED: 15-Feb-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	2/15/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/15/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/15/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/15/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/15/2000
Trichloroethene	1.5	ug/l	0.16	0.51	0.5	1		8260	cps	2/15/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/15/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/15/2000

Sample Number: **18632** QC Prep Batch Number: 993413 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Tri blank** Sample Description: *Collection: 2/14/2000 Time:*

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000105**
DATE REPORTED: 16-Feb-00
DATE RECEIVED: 15-Feb-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	2/15/2000
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	2/15/2000
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/15/2000
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	2/15/2000
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	2/15/2000
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	2/15/2000
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/15/2000
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	2/15/2000
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/15/2000
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	2/15/2000
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/15/2000
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	2/15/2000
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	2/15/2000
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/15/2000
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	2/15/2000
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/15/2000
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	2/15/2000
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	2/15/2000
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/15/2000
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/15/2000
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/15/2000
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	2/15/2000
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	2/15/2000
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/15/2000
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/15/2000
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	2/15/2000
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/15/2000
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/15/2000
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	2/15/2000
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	2/15/2000
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/15/2000
Trichloroethene	<0.16	ug/l	0.16	0.51	0.5	1		8260	cps	2/15/2000
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/15/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/15/2000

Sample Number: **18633** QC Prep Batch Number: 993413 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **00214WA09P** Sample Description: *Collection: 2/14/2000 Time: 14:25*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/15/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	2/15/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/15/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/15/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	2/15/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000105**
DATE REPORTED: 16-Feb-00
DATE RECEIVED: 15-Feb-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	2/15/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/15/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/15/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/15/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	2/15/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/15/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/15/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	2/15/2000
1,2-Dichloroethane	0.45	ug/l	0.19	0.6	0.5	1	J	8260	cps	2/15/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	2/15/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/15/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/15/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/15/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/15/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/15/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/15/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	2/15/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/15/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/15/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/15/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/15/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/15/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/15/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/15/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/15/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/15/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	2/15/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/15/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/15/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	2/15/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/15/2000
Chloroform	6.1	ug/l	0.27	0.86	0.6	1		8260	cps	2/15/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/15/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	2/15/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/15/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/15/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/15/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/15/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/15/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/15/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/15/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/15/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/15/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000105**
DATE REPORTED:	16-Feb-00
DATE RECEIVED:	15-Feb-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	2/15/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/15/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/15/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/15/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/15/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/15/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/15/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/15/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/15/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/15/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/15/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/15/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/15/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/15/2000
Trichloroethene	0.34	ug/l	0.16	0.51	0.5	1	J	8260	cps	2/15/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/15/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/15/2000

Approved By: _____ **Date:** 2 23 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	20000105
DATE REPORTED:	24-Feb-00
DATE RECEIVED:	15-Feb-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

Nova Sample Number: 18626
Client ID: 000214WA01P
Collection: 2/14/2000 Time: 14:10
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	2/23/2000	993499	
Barium - ICAP	0.12	mg/l		RJ	0.007	0.02	200.7	dmd	2/16/2000	993412	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	2/15/2000	993389	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	2/16/2000	993412	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	2/16/2000	993412	
Iron - ICAP	1.6	mg/l		RJ	0.081	0.26	200.7	dmd	2/16/2000	993412	
Lead - Furnace AA	3.7	ug/l	J	RJ	1.5	4.8	239.2	dmd	2/16/2000	993409	
Manganese - ICAP	0.17	mg/l		RJ	0.006	0.02	200.7	dmd	2/16/2000	993412	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	pm	2/16/2000	993396	
Nickel - ICAP	0.04	mg/l		RJ	0.011	0.03	200.7	dmd	2/16/2000	993412	
Selenium - Furnace AA	5.4	ug/l	J	RJ	4.8	15	270.2	dmd	2/23/2000	993500	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	dmd	2/16/2000	993412	
Thallium - Furnace AA	<4.9	ug/l		RJ	4.9	16	279.2	dmd	2/22/2000	993481	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	dmd	2/16/2000	993412	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	2/15/2000	993470	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	pm	2/22/00	993483	
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	PM	2/22/00	993484	
pH (water)	6.8	s.u.	#				150.1	srh	2/14/2000	993471	

Nova Sample Number: 18627
Client ID: 000214WA09R
Collection: 2/14/2000 Time: 12:30
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	2/23/2000	993499	
Barium - ICAP	0.03	mg/l		RJ	0.007	0.02	200.7	dmd	2/16/2000	993412	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	2/15/2000	993389	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	2/16/2000	993412	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	2/16/2000	993412	
Iron - ICAP	<0.081	mg/l		RJ	0.081	0.26	200.7	dmd	2/16/2000	993412	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	dmd	2/16/2000	993409	
Manganese - ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	2/16/2000	993412	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	pm	2/16/2000	993396	
Nickel - ICAP	12	ug/l	J	RJ	11	35	200.7	dmd	2/16/2000	993412	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	dmd	2/23/2000	993500	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	20000105
DATE REPORTED:	24-Feb-00
DATE RECEIVED:	15-Feb-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	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd	2/16/2000	*993412*	
Thallium - Furnace AA	**<4.9**	**ug/l**	**RJ**	4.9	16	279.2	dmd	2/22/2000	*993481*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	dmd	2/16/2000	*993412*	
Nova Sample Number: 18628										
Client ID: **000214WA02P**								Collection: 2/14/2000		Time: 14:15
								Sample Description:		
pH (water)	**9.8**	**s.u.**	**#**			150.1	srh	2/14/2000	*993471*	
Nova Sample Number: 18629										
Client ID: **000214WA03P**								Collection: 2/14/2000		Time: 14:16
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	srh	2/14/2000	*993471*	
Nova Sample Number: 18630										
Client ID: **000214WA05P**								Collection: 2/14/2000		Time: 14:30
								Sample Description:		
pH (water)	**7.8**	**s.u.**	**#**			150.1	srh	2/14/2000	*993471*	
Nova Sample Number: 18633										
Client ID: **00214WA09P**								Collection: 2/14/2000		Time: 14:25
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	2/15/2000	*993470*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	pm	2/22/00	*993483*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	PM	2/22/00	*993484*	

Approved By: _____ **Date:** 2/24/00

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.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000117**
DATE REPORTED: 15-Mar-00
DATE RECEIVED: 22-Feb-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

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

Nova Sample Number: 18685
Client ID: **000221WA01P**
Collection: 2/21/2000 Time: 10:25
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	2/23/2000	993499	
Barium - ICAP	0.11	mg/l		RJ	0.007	0.02	200.7	dmd	3/1/2000	993537	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	2/29/2000	993535	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	3/1/2000	993537	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	3/1/2000	993537	
Iron - ICAP	0.93	mg/l		RJ	0.081	0.26	200.7	dmd	3/1/2000	993537	
Lead - Furnace AA	4.9	ug/l		RJ	1.5	4.8	239.2	dmd	2/29/2000	993534	
Manganese - ICAP	0.19	mg/l		RJ	0.006	0.02	200.7	dmd	3/1/2000	993537	
Mercury CV	<0.0002	ug/l		RJ	0.0002	0.0006	245.1	dmd	2/25/2000	993518	
Nickel - ICAP	0.05	mg/l		RJ	0.011	0.03	200.7	dmd	3/1/2000	993537	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	dmd	2/23/2000	993500	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	dmd	3/1/2000	993537	
Thallium - Furnace AA	<4.9	ug/l		RJ	4.9	16	279.2	dmd	2/22/2000	993481	
Zinc - ICAP	0.02	mg/l	J	RJ	0.014	0.04	200.7	dmd	3/1/2000	993537	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	2/22/2000	993542	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	pm	2/22/00	993483	
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	PM	2/22/00	993484	
pH (water)	7.2	s.u.		#			150.1	pm	2/22/00	993472	

Nova Sample Number: 18686
Client ID: **0002221WA09R**
Collection: 2/21/2000 Time: 10:30
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	2/23/2000	993499	
Barium - ICAP	0.03	mg/l		RJ	0.007	0.02	200.7	dmd	3/1/2000	993537	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	2/29/2000	993535	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	3/1/2000	993537	
Copper- ICAP	0.009	mg/l	J	RJ	0.006	0.02	200.7	dmd	3/1/2000	993537	
Iron - ICAP	<0.081	mg/l		RJ	0.081	0.26	200.7	dmd	3/1/2000	993537	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	dmd	2/29/2000	993534	
Manganese - ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	3/1/2000	993537	
Mercury CV	<0.0002	ug/l		RJ	0.0002	0.0006	245.1	dmd	2/25/2000	993518	
Nickel - ICAP	18	ug/l	J	RJ	11	35	200.7	dmd	3/1/2000	993537	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	dmd	2/23/2000	993500	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000117
DATE REPORTED: 15-Mar-00
DATE RECEIVED: 22-Feb-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

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	3/1/2000	*993537*	
Thallium - Furnace AA	**<4.9**	**ug/l**	**RJ**	4.9	16	279.2	dmd	2/22/2000	*993481*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	dmd	3/1/2000	*993537*	
Nova Sample Number: 18687										
Client ID: **0002221WA02P**								Collection: 2/21/2000		Time: 10:22
								Sample Description:		
pH (water)	**9.9**	**s.u.**	**#**			150.1	pm	2/22/00	*993472*	
Nova Sample Number: 18688										
Client ID: **0002221WA03P**								Collection: 2/21/2000		Time: 10:23
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	pm	2/22/00	*993472*	
Nova Sample Number: 18689										
Client ID: **0002221WA05P**								Collection: 2/21/2000		Time: 10:18
								Sample Description:		
pH (water)	**7.5**	**s.u.**	**#**			150.1	pm	2/22/00	*993472*	
Nova Sample Number: 18691										
Client ID: **0002221WA09P**								Collection: 2/21/2000		Time: 10:15
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	2/22/2000	*993542*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	pm	2/22/00	*993483*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	PM	2/22/00	*993484*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	pm	2/22/00	*993472*	

Approved By: _____ **Date:** 3/15/00
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: **20000117**
DATE REPORTED: 15-Mar-00
DATE RECEIVED: 22-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

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

Sample Number: 18685 QC Prep Batch Number: 993490 Collection: 2/21/2000 Time: 10:25
Client ID: 000221WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Ana
1,1,1,2-Tetrachloroethane	< 2.0	ug/l	2.0	6.4	10		8260	cps	/ 2/22/2000
1,1,1-Trichloroethane	228	ug/l	2.3	7.3	10		8260	cps	/ 2/22/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	10		8260	cps	/ 2/22/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	10		8260	cps	/ 2/22/2000
1,1-Dichloroethane	32	ug/l	1.5	4.8	10		8260	cps	/ 2/22/2000
1,1-Dichloroethene	23	ug/l	3.6	11	10		8260	cps	/ 2/22/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	10		8260	cps	/ 2/22/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7.0	10		8260	cps	/ 2/22/2000
1,2,3-Trichloropropane	< 6.0	ug/l	6.0	19	10		8260	cps	/ 2/22/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	10		8260	cps	/ 2/22/2000
1,2,4-Trimethylbenzene	3.2	ug/l	2.9	9.2	10	J	8260	cps	/ 2/22/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	10		8260	cps	/ 2/22/2000
1,2-Dichlorobenzene	< 2.0	ug/l	2.0	6.4	10		8260	cps	/ 2/22/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6.0	10		8260	cps	/ 2/22/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	10		8260	cps	/ 2/22/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	10		8260	cps	/ 2/22/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6.0	10		8260	cps	/ 2/22/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	10		8260	cps	/ 2/22/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	10		8260	cps	/ 2/22/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	10		8260	cps	/ 2/22/2000
2,2-Dichloropropane	< 4.0	ug/l	4.0	13	10		8260	cps	/ 2/22/2000
2-Butanone (MEK)	< 14	ug/l	14	44	10		8260	cps	/ 2/22/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	10		8260	cps	/ 2/22/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	10		8260	cps	/ 2/22/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8.0	10		8260	cps	/ 2/22/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	10		8260	cps	/ 2/22/2000
Acetone	< 16	ug/l	16	49	10		8260	cps	/ 2/22/2000
Benzene	< 1.9	ug/l	1.9	6.0	10		8260	cps	/ 2/22/2000
Bromobenzene	< 1.9	ug/l	1.9	6.0	10		8260	cps	/ 2/22/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	10		8260	cps	/ 2/22/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	10		8260	cps	/ 2/22/2000
Bromoform	< 4.7	ug/l	4.7	15	10		8260	cps	/ 2/22/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	10		8260	cps	/ 2/22/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7.0	10		8260	cps	/ 2/22/2000
Chlorobenzene	< 2.0	ug/l	2.0	6.4	10		8260	cps	/ 2/22/2000
Chloroethane	12	ug/l	12	37	10	J	8260	cps	/ 2/22/2000
Chloroform	< 2.7	ug/l	2.7	8.6	10		8260	cps	/ 2/22/2000
Chloromethane	< 7.7	ug/l	7.7	24	10		8260	cps	/ 2/22/2000
cis-1,2-Dichloroethene	58	ug/l	2.0	6.4	10		8260	cps	/ 2/22/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	10		8260	cps	/ 2/22/2000
Dibromochloromethane	< 2.1	ug/l	2.1	6.7	10		8260	cps	/ 2/22/2000
Dibromomethane	< 3.5	ug/l	3.5	11	10		8260	cps	/ 2/22/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000117
DATE REPORTED: 15-Mar-00
DATE RECEIVED: 22-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Ana
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	10		8260	cps	/ 2/22/2000
Ethylbenzene	< 1.6	ug/l	1.6	5.1	10		8260	cps	/ 2/22/2000
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.0	10		8260	cps	/ 2/22/2000
Isopropyl Ether	< 3.2	ug/l	3.2	10	10		8260	cps	/ 2/22/2000
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	10		8260	cps	/ 2/22/2000
m&p-xylene	< 3.6	ug/l	3.6	11	10		8260	cps	/ 2/22/2000
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	10		8260	cps	/ 2/22/2000
Methylene chloride	< 7.6	ug/l	7.6	24	10		8260	cps	/ 2/22/2000
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	10		8260	cps	/ 2/22/2000
n-Propylbenzene	< 2.5	ug/l	2.5	8.0	10		8260	cps	/ 2/22/2000
Naphthalene	< 4.6	ug/l	4.6	15	10		8260	cps	/ 2/22/2000
o-xylene	< 1.8	ug/l	1.8	5.7	10		8260	cps	/ 2/22/2000
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	10		8260	cps	/ 2/22/2000
sec-Butylbenzene	< 3.0	ug/l	3.0	9.5	10		8260	cps	/ 2/22/2000
Styrene	< 2.1	ug/l	2.1	6.7	10		8260	cps	/ 2/22/2000
tert-Butylbenzene	< 2.0	ug/l	2.0	6.4	10		8260	cps	/ 2/22/2000
Tetrachloroethene	7.1	ug/l	2.9	9.2	10	J	8260	cps	/ 2/22/2000
Toluene	< 3.3	ug/l	3.3	10	10		8260	cps	/ 2/22/2000
trans-1,2-Dichloroethene	21	ug/l	1.6	5.1	10		8260	cps	/ 2/22/2000
trans-1,3-Dichloropropene	< 2.0	ug/l	2.0	6.4	10		8260	cps	/ 2/22/2000
Trichloroethene	550	ug/l	1.6	5.1	10		8260	cps	/ 2/22/2000
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	10		8260	cps	/ 2/22/2000
Vinyl chloride	2.5	ug/l	2.1	6.7	10	J	8260	cps	/ 2/22/2000

Sample Number: 18690 QC Prep Batch Number: 993490 Collection: 2/21/2000 Time: 10:20
Client ID: 0002221WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.20	ug/l	0.20	0.64	1		8260	cps	/ 2/22/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	1		8260	cps	/ 2/22/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	1		8260	cps	/ 2/22/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	1		8260	cps	/ 2/22/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	1		8260	cps	/ 2/22/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	1		8260	cps	/ 2/22/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	1		8260	cps	/ 2/22/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.70	1		8260	cps	/ 2/22/2000
1,2,3-Trichloropropane	< 0.60	ug/l	0.60	1.9	1		8260	cps	/ 2/22/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	1		8260	cps	/ 2/22/2000
1,2,4-Trimethylbenzene	0.32	ug/l	0.29	0.92	1	J	8260	cps	/ 2/22/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	1		8260	cps	/ 2/22/2000
1,2-Dichlorobenzene	< 0.20	ug/l	0.20	0.64	1		8260	cps	/ 2/22/2000
1,2-Dichloroethane	0.86	ug/l	0.19	0.60	1		8260	cps	/ 2/22/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	1		8260	cps	/ 2/22/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	1		8260	cps	/ 2/22/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.60	1		8260	cps	/ 2/22/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000117
DATE REPORTED: 15-Mar-00
DATE RECEIVED: 22-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Ana
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	1		8260	cps	/ 2/22/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	1		8260	cps	/ 2/22/2000
2,2-Dichloropropane	< 0.40	ug/l	0.40	1.3	1		8260	cps	/ 2/22/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	cps	/ 2/22/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	1		8260	cps	/ 2/22/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	1		8260	cps	/ 2/22/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.80	1		8260	cps	/ 2/22/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	1		8260	cps	/ 2/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	cps	/ 2/22/2000
Benzene	< 0.19	ug/l	0.19	0.60	1		8260	cps	/ 2/22/2000
Bromobenzene	< 0.19	ug/l	0.19	0.60	1		8260	cps	/ 2/22/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	1		8260	cps	/ 2/22/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	1		8260	cps	/ 2/22/2000
Bromoform	< 0.47	ug/l	0.47	1.5	1		8260	cps	/ 2/22/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.70	1		8260	cps	/ 2/22/2000
Chlorobenzene	0.44	ug/l	0.20	0.64	1	J	8260	cps	/ 2/22/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	1		8260	cps	/ 2/22/2000
Chloroform	0.39	ug/l	0.27	0.86	1	J	8260	cps	/ 2/22/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	1		8260	cps	/ 2/22/2000
cis-1,2-Dichloroethene	0.24	ug/l	0.20	0.64	1	J	8260	cps	/ 2/22/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	1		8260	cps	/ 2/22/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	1		8260	cps	/ 2/22/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	1		8260	cps	/ 2/22/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	1		8260	cps	/ 2/22/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.70	1		8260	cps	/ 2/22/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1.0	1		8260	cps	/ 2/22/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	1		8260	cps	/ 2/22/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	1		8260	cps	/ 2/22/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	1		8260	cps	/ 2/22/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	1		8260	cps	/ 2/22/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	cps	/ 2/22/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	1		8260	cps	/ 2/22/2000
o-xylene	< 0.18	ug/l	0.18	0.57	1		8260	cps	/ 2/22/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	1		8260	cps	/ 2/22/2000
sec-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	cps	/ 2/22/2000
Styrene	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000
tert-Butylbenzene	< 0.20	ug/l	0.20	0.64	1		8260	cps	/ 2/22/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	1		8260	cps	/ 2/22/2000
Toluene	< 0.33	ug/l	0.33	1.0	1		8260	cps	/ 2/22/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	1		8260	cps	/ 2/22/2000
trans-1,3-Dichloropropene	< 0.20	ug/l	0.20	0.64	1		8260	cps	/ 2/22/2000
Trichloroethene	0.78	ug/l	0.16	0.51	1		8260	cps	/ 2/22/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000117
DATE REPORTED: 15-Mar-00
DATE RECEIVED: 22-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Ana
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1		8260	cps	/ 2/22/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000

Sample Number: 18691 QC Prep Batch Number: 993490 Collection: 2/21/2000 Time: 10:15
Client ID: 0002221WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.20	ug/l	0.20	0.64	1		8260	cps	/ 2/22/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	1		8260	cps	/ 2/22/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	1		8260	cps	/ 2/22/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	1		8260	cps	/ 2/22/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	1		8260	cps	/ 2/22/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	1		8260	cps	/ 2/22/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	1		8260	cps	/ 2/22/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.70	1		8260	cps	/ 2/22/2000
1,2,3-Trichloropropane	< 0.60	ug/l	0.60	1.9	1		8260	cps	/ 2/22/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	1		8260	cps	/ 2/22/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	1		8260	cps	/ 2/22/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	1		8260	cps	/ 2/22/2000
1,2-Dichlorobenzene	< 0.20	ug/l	0.20	0.64	1		8260	cps	/ 2/22/2000
1,2-Dichloroethane	0.45	ug/l	0.19	0.60	1	J	8260	cps	/ 2/22/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	1		8260	cps	/ 2/22/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	1		8260	cps	/ 2/22/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.60	1		8260	cps	/ 2/22/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	1		8260	cps	/ 2/22/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	1		8260	cps	/ 2/22/2000
2,2-Dichloropropane	< 0.40	ug/l	0.40	1.3	1		8260	cps	/ 2/22/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	cps	/ 2/22/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	1		8260	cps	/ 2/22/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	1		8260	cps	/ 2/22/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.80	1		8260	cps	/ 2/22/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	1		8260	cps	/ 2/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	cps	/ 2/22/2000
Benzene	< 0.19	ug/l	0.19	0.60	1		8260	cps	/ 2/22/2000
Bromobenzene	< 0.19	ug/l	0.19	0.60	1		8260	cps	/ 2/22/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	1		8260	cps	/ 2/22/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	1		8260	cps	/ 2/22/2000
Bromoform	< 0.47	ug/l	0.47	1.5	1		8260	cps	/ 2/22/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.70	1		8260	cps	/ 2/22/2000
Chlorobenzene	0.22	ug/l	0.20	0.64	1	J	8260	cps	/ 2/22/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	1		8260	cps	/ 2/22/2000
Chloroform	0.63	ug/l	0.27	0.86	1	J	8260	cps	/ 2/22/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	1		8260	cps	/ 2/22/2000
cis-1,2-Dichloroethene	< 0.20	ug/l	0.20	0.64	1		8260	cps	/ 2/22/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000117
DATE REPORTED: 15-Mar-00
DATE RECEIVED: 22-Feb-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Ana
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	1		8260	cps	/ 2/22/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	1		8260	cps	/ 2/22/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	1		8260	cps	/ 2/22/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	1		8260	cps	/ 2/22/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.70	1		8260	cps	/ 2/22/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1.0	1		8260	cps	/ 2/22/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	1		8260	cps	/ 2/22/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	1		8260	cps	/ 2/22/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	1		8260	cps	/ 2/22/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	1		8260	cps	/ 2/22/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	cps	/ 2/22/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	1		8260	cps	/ 2/22/2000
o-xylene	< 0.18	ug/l	0.18	0.57	1		8260	cps	/ 2/22/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	1		8260	cps	/ 2/22/2000
sec-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	cps	/ 2/22/2000
Styrene	< 0.21	ug/l	0.21	0.67	1		8260	cps	/ 2/22/2000
tert-Butylbenzene	< 0.20	ug/l	0.20	0.64	1		8260	cps	/ 2/22/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	1		8260	cps	/ 2/22/2000
Toluene	< 0.33	ug/l	0.33	1.0	1		8260	cps	/ 2/22/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	1		8260	cps	/ 2/22/2000
trans-1,3-Dichloropropene	< 0.20	ug/l	0.20	0.64	1		8260	cps	/ 2/22/2000
Trichloroethene	0.24	ug/l	0.16	0.51	1	J	8260	cps	/ 2/22/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1		8260	cps	/ 2/22/2000
Vinyl chloride	0.27	ug/l	0.21	0.67	1	J	8260	cps	/ 2/22/2000

Approved By: _____ **Date:** 3/15/00

James Chang, Ph.D. , Lab Director

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000132**
DATE REPORTED: 01-Mar-00
DATE RECEIVED: 28-Feb-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
Sample Number: **18736**		QC Prep Batch Number: 993541					*Sample analyzed within*	*1 Day(s)*	*from collection.*	
Client ID: **000228WA01P** Sample Description:							*Collection:*	*2/28/2000*	*Time:*	*10:30*
1,1,1,2-Tetrachloroethane	<2	ug/l	2	6.4	ns	10		8260	cps	2/29/2000
1,1,1-Trichloroethane	367	ug/l	2.3	7.3	40	10		8260	cps	2/29/2000
1,1,2,2-Tetrachloroethane	<2.9	ug/l	2.9	9.2	0.02	10		8260	cps	2/29/2000
1,1,2-Trichloroethane	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	2/29/2000
1,1-Dichloroethane	52	ug/l	1.5	4.8	85	10		8260	cps	2/29/2000
1,1-Dichloroethene	32	ug/l	3.6	11	0.7	10		8260	cps	2/29/2000
1,1-Dichloropropene	<4.9	ug/l	4.9	16	ns	10		8260	cps	2/29/2000
1,2,3-Trichlorobenzene	<2.2	ug/l	2.2	7	ns	10		8260	cps	2/29/2000
1,2,3-Trichloropropane	<6	ug/l	6	19	ns	10		8260	cps	2/29/2000
1,2,4-Trichlorobenzene	<1.6	ug/l	1.6	5.1	14	10		8260	cps	2/29/2000
1,2,4-Trimethylbenzene	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/29/2000
1,2-Dibromoethane	<2.4	ug/l	2.4	7.6	0.005	10		8260	cps	2/29/2000
1,2-Dichlorobenzene	<2	ug/l	2	6.4	60	10		8260	cps	2/29/2000
1,2-Dichloroethane	<1.9	ug/l	1.9	6	0.5	10		8260	cps	2/29/2000
1,2-Dichloropropane	<2.3	ug/l	2.3	7.3	0.5	10		8260	cps	2/29/2000
1,3,5-Trimethylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/29/2000
1,3-Dichlorobenzene	<1.9	ug/l	1.9	6	125	10		8260	cps	2/29/2000
1,3-Dichloropropane	<2.1	ug/l	2.1	6.7	ns	10		8260	cps	2/29/2000
1,4-Dichlorobenzene	<1.5	ug/l	1.5	4.8	15	10		8260	cps	2/29/2000
12Dibromo-3-chloropropan	<5.9	ug/l	5.9	19	0.02	10		8260	cps	2/29/2000
2,2-Dichloropropane	<4	ug/l	4	13	ns	10		8260	cps	2/29/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	2/29/2000
2-Chloroethyl Vinyl Ether	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	2/29/2000
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	ns	10		8260	cps	2/29/2000
4-Chlorotoluene	<2.5	ug/l	2.5	8	ns	10		8260	cps	2/29/2000
4-Methyl-2-Pentanone	<8.4	ug/l	8.4	27	50	10		8260	cps	2/29/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	2/29/2000
Benzene	<1.9	ug/l	1.9	6	0.5	10		8260	cps	2/29/2000
Bromobenzene	<1.9	ug/l	1.9	6	ns	10		8260	cps	2/29/2000
Bromochloromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	2/29/2000
Bromodichloromethane	<2.6	ug/l	2.6	8.3	0.06	10		8260	cps	2/29/2000
Bromoform	<4.7	ug/l	4.7	15	0.44	10		8260	cps	2/29/2000
Bromomethane	<2.1	ug/l	2.1	6.7	1	10		8260	cps	2/29/2000
Carbon tetrachloride	<2.2	ug/l	2.2	7	0.5	10		8260	cps	2/29/2000
Chlorobenzene	2.6	ug/l	2	6.4	20	10	*J*	8260	cps	2/29/2000
Chloroethane	28	ug/l	12	37	80	10	*J*	8260	cps	2/29/2000
Chloroform	<2.7	ug/l	2.7	8.6	0.6	10		8260	cps	2/29/2000
Chloromethane	<7.7	ug/l	7.7	24	0.3	10		8260	cps	2/29/2000
cis-1,2-Dichloroethene	71	ug/l	2	6.4	7	10		8260	cps	2/29/2000
cis-1,3-Dichloropropene	<2.4	ug/l	2.4	7.6	0.02	10		8260	cps	2/29/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000132**
DATE REPORTED: 01-Mar-00
DATE RECEIVED: 28-Feb-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	2/29/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	2/29/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	2/29/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	2/29/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	2/29/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	2/29/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	2/29/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	2/29/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	2/29/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	2/29/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	2/29/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	2/29/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	2/29/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	2/29/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	2/29/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	2/29/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	2/29/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	2/29/2000
Tetrachloroethene	7.4	ug/l	2.9	9.2	0.5	10	J	8260	cps	2/29/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	2/29/2000
trans-1,2-Dichloroethene	22	ug/l	1.6	5.1	20	10		8260	cps	2/29/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	2/29/2000
Trichloroethene	905	ug/l	1.6	5.1	0.5	10		8260	cps	2/29/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	2/29/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	2/29/2000

Sample Number: **18741** QC Prep Batch Number: 993541 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000228WA07P** Sample Description: *Collection: 2/28/2000 Time: 10:30*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/29/2000
1,1,1-Trichloroethane	0.49	ug/l	0.23	0.73	40	1	J	8260	cps	2/29/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/29/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/29/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	2/29/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	2/29/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/29/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/29/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/29/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	2/29/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/29/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/29/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	2/29/2000
1,2-Dichloroethane	0.55	ug/l	0.19	0.6	0.5	1	J	8260	cps	2/29/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000132**
DATE REPORTED: 01-Mar-00
DATE RECEIVED: 28-Feb-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	2/29/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/29/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/29/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/29/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/29/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/29/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/29/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	2/29/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/29/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/29/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/29/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/29/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/29/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/29/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/29/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/29/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/29/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	2/29/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/29/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/29/2000
Chlorobenzene	0.38	ug/l	0.2	0.64	20	1	J	8260	cps	2/29/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/29/2000
Chloroform	0.57	ug/l	0.27	0.86	0.6	1	J	8260	cps	2/29/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/29/2000
cis-1,2-Dichloroethene	0.54	ug/l	0.2	0.64	7	1	J	8260	cps	2/29/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/29/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/29/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/29/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/29/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/29/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/29/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/29/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/29/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/29/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	2/29/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/29/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/29/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/29/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/29/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/29/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/29/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/29/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/29/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000132**
DATE REPORTED: 01-Mar-00
DATE RECEIVED: 28-Feb-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	2/29/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/29/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/29/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/29/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/29/2000
Trichloroethene	2.6	ug/l	0.16	0.51	0.5	1		8260	cps	2/29/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/29/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/29/2000

Sample Number: **18742** QC Prep Batch Number: 993541 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 2/28/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/29/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	2/29/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/29/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/29/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	2/29/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	2/29/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/29/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/29/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/29/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	2/29/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/29/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/29/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	2/29/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/29/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	2/29/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/29/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/29/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/29/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/29/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/29/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/29/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	2/29/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/29/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/29/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/29/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/29/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/29/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/29/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/29/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/29/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/29/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000132**
DATE REPORTED: 01-Mar-00
DATE RECEIVED: 28-Feb-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	2/29/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/29/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/29/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	2/29/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/29/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	2/29/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/29/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	2/29/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/29/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/29/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/29/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/29/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/29/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/29/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/29/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/29/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/29/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	2/29/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/29/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/29/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/29/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/29/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/29/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/29/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/29/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/29/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/29/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/29/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/29/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/29/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/29/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	2/29/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/29/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/29/2000

Sample Number: **18743** QC Prep Batch Number: 993541 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000228WA09P** Sample Description: *Collection: 2/28/2000 Time: 10:55*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/29/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	2/29/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	2/29/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/29/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	2/29/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000132**
DATE REPORTED: 01-Mar-00
DATE RECEIVED: 28-Feb-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	2/29/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	2/29/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/29/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	2/29/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	2/29/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/29/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	2/29/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	2/29/2000
1,2-Dichloroethane	0.59	ug/l	0.19	0.6	0.5	1	J	8260	cps	2/29/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	2/29/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/29/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	2/29/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	2/29/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	2/29/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	2/29/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	2/29/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	2/29/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	2/29/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	2/29/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/29/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	2/29/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	2/29/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	2/29/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	2/29/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/29/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	2/29/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	2/29/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	2/29/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	2/29/2000
Chlorobenzene	0.36	ug/l	0.2	0.64	20	1	J	8260	cps	2/29/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	2/29/2000
Chloroform	0.58	ug/l	0.27	0.86	0.6	1	J	8260	cps	2/29/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	2/29/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	2/29/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	2/29/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	2/29/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	2/29/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	2/29/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	2/29/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	2/29/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	2/29/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	2/29/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	2/29/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000132**
DATE REPORTED:	01-Mar-00
DATE RECEIVED:	28-Feb-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	2/29/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	2/29/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	2/29/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	2/29/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	2/29/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	2/29/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	2/29/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	2/29/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	2/29/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	2/29/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	2/29/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	2/29/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	2/29/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	2/29/2000
Trichloroethene	0.46	ug/l	0.16	0.51	0.5	1	*J*	8260	cps	2/29/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	2/29/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	2/29/2000

Approved By: _____ **Date:** 3/15/00
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 **20000132**
DATE REPORTED: 15-Mar-00
DATE RECEIVED: 28-Feb-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: 18736
Client ID: **000228WA01P**
Collection: 2/28/2000 Time: 10:30
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	3/7/2000	993578	
Barium - ICAP	0.11	mg/l		RJ	0.007	0.02	200.7	dmd	3/1/2000	993537	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	2/29/2000	993535	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	3/1/2000	993537	
Copper- ICAP	0.01	mg/l	J	RJ	0.006	0.02	200.7	dmd	3/1/2000	993537	
Iron - ICAP	1.2	mg/l		RJ	0.081	0.26	200.7	dmd	3/1/2000	993537	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	dmd	2/29/2000	993534	
Manganese - ICAP	0.16	mg/l		RJ	0.006	0.02	200.7	dmd	3/1/2000	993537	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	3/7/2000	993580	
Nickel - ICAP	0.04	mg/l		RJ	0.011	0.03	200.7	dmd	3/1/2000	993537	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	dmd	3/7/2000	993579	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	dmd	3/1/2000	993537	
Thallium - Furnace AA	<4.9	ug/l		RJ	4.9	16	279.2	dmd	3/3/2000	993559	
Zinc - ICAP	0.04	mg/l	J	RJ	0.014	0.04	200.7	dmd	3/1/2000	993537	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	st Ameri	2/29/2000	993611	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	dmd	3/10/2000	993610	
Cyanide, Total	<0.006	mg/l		RJ	0.006	0.02	335.2	dmd	3/10/2000	993609	
pH (water)	7.4	s.u.	#				150.1	pm	3/1/00	993548	

Nova Sample Number: 18737
Client ID: **000228WA09R**
Collection: 2/28/2000 Time: 11:00
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	3/7/2000	993578	
Barium - ICAP	0.02	mg/l	J	RJ	0.007	0.02	200.7	dmd	3/1/2000	993537	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	2/29/2000	993535	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	3/1/2000	993537	
Copper- ICAP	0.008	mg/l	J	RJ	0.006	0.02	200.7	dmd	3/1/2000	993537	
Iron - ICAP	0.09	mg/l	J	RJ	0.081	0.26	200.7	dmd	3/1/2000	993537	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	dmd	2/29/2000	993534	
Manganese - ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	3/1/2000	993537	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	3/7/2000	993580	
Nickel - ICAP	15	ug/l	J	RJ	11	35	200.7	dmd	3/1/2000	993537	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	dmd	3/7/2000	993579	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000132**
DATE REPORTED: 15-Mar-00
DATE RECEIVED: 28-Feb-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	3/1/2000	*993537*	
Thallium - Furnace AA	**<4.9**	**ug/l**	**RJ**	4.9	16	279.2	dmd	3/3/2000	*993559*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	dmd	3/1/2000	*993537*	
pH (water)	**7.9**	**s.u.**	**#**			150.1	pm	3/1/00	*993548*	
Nova Sample Number: 18738										
Client ID: **000228WA02P**								Collection: 2/28/2000		Time: 10:35
								Sample Description:		
pH (water)	**9.9**	**s.u.**	**#**			150.1	pm	3/1/00	*993548*	
Nova Sample Number: 18739										
Client ID: **000228WA03P**								Collection: 2/28/2000		Time: 10:40
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	pm	3/1/00	*993548*	
Nova Sample Number: 18740										
Client ID: **000228WA05P**								Collection: 2/28/2000		Time: 10:45
								Sample Description:		
pH (water)	**8**	**s.u.**	**#**			150.1	pm	3/1/00	*993548*	
Nova Sample Number: 18743										
Client ID: **000228WA09P**								Collection: 2/28/2000		Time: 10:55
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	st Ameri	2/29/2000	*993611*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	3/10/2000	*993610*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	dmd	3/10/2000	*993609*	

Approved By: _____ **Date:** 3/15/00
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.