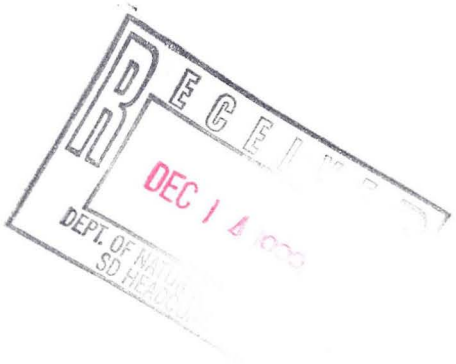


December 15, 1999

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

Re: Monthly Monitoring Report for the Oconomowoc Groundwater Treatment Facility

Dear Mr. Kozol:

Attached is the Monthly Monitoring Report for November, 1999 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, St. Paul District
Steve Padovani, USEPA
James Chang, APL, Inc.
David Brodzinski, WDNR, Horicon

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

December 15, 1999

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for November, 1999. 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.

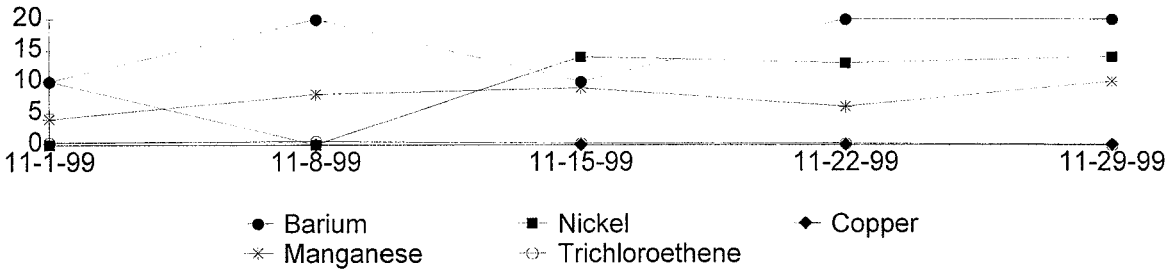
1.3 Effluent Monitoring

Weekly monitoring was conducted on November 1, 8, 15, 22, and 29. The weekly samples for November were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in November showed no exceedences of the WDNR effluent discharge permit except for TCE on the November 8 sampling. The possible cause of the high level of TCE is discussed in Section 2.0.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

The high level of TCE was due to operating with only one Granulated Activated Carbon Filter (GAC filter) in line. This was an experiment for Paul Kozol, of the WDNR, to see how long one filter would last before break-through of TCE that is greater than the permit limit of 0.5 ug/l occurred. The November 8 sampling result was 0.58 ug/l. The other GAC filter was put in line and the original GAC filter was backwashed with effluent and left in the stand-by position on November 12. The spent Carbon was changed out of the GAC's on October 26-29. After break-through of TCE that is greater than the permit limit of 0.5 ug/l occurs in the second GAC filter, the first GAC filter will be put back in line and an effluent back wash will be conducted on the second GAC filter. After the effluent back wash, the second GAC filter will be put back in line in the lag position.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down five times for a total of 41.5 hours in November, 1999. The shut downs were due to Acid Leaks, Scheduled Maintenance, Clogged CRT-211 Discharge Line, and High Effluent pH. Table 1 shows the summary of the plant down times for the month of November, 1999.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
11-5-99	0.25	Shut Down Due to Clogged CRT-211 Discharge Line
11-16/17-99	28	Scheduled Maintenance Shut Down
11-17/18-99	11.5	Shut Down Due to High Effluent pH
11-19-99	1.25	Shut Down Due to Acid Leaks
11-22-99	0.5	Shut Down Due to Finish Piping
TOTAL	**41.5**	

3.1 Shut Down Due to Clogged CRT-211 Discharge Line

On November 8, it was discovered that the level in CRT-211 was starting to overflow. CRT-201/211 were by-passed and all chemical feed pumps and mixers were shut off. CRT-211

was partially drained to ST-820 using ESP-120. The discharge line's elbow connection was removed and cleaned with inhibited Muriatic acid. The access cover to the Rapid Mix Tank (RMT-301) was unbolted. On November 9, the Rapid Tank Mixer (RMT-302) and treatment plant was shut down. The CRT-211 discharge line was augured out using a water hose jetter and the access cover to RMT-301 was rebolted down. RTM-302 and the treatment plant were restarted and the discharge line's elbow connection was reconnected. CRT-201/211 were put back in-line and all appropriate chemical feed pumps and mixers were reactivated. Total down time was only 20 minutes.

3.2 Shut Down Due To Scheduled Maintenance

On November 16, the treatment plant was shut down at 7:30 A.M. to perform scheduled maintenance. The work to be performed was to remove all the metal piping from the Metals Package, replace it with PVC piping, and to repair the acid injection line. All of the metal piping from the Treatment System Feed Pumps (TFP-110/111) to the Tertiary Filtration System (TF-600) was removed and replaced except for a small section of 2" line on the CRT-201/211 by-pass line. The 2" line was under estimated for length. When the 4" piping was removed and inspected it was discovered that the 4" opening was reduced to approximately 1" due to the amount of hardness/build-up in the piping. This restriction had caused the tanks to back up and over flow about every 2 weeks. The acid injection line had the Sulfuric Acid injection assembly removed and rebuilt and the line's pressure regulator moved further away from the acid injection point to prevent it from damage. The line was tested for leakage and none was detected. On November 17, at 11:30 A.M., the treatment system was restarted. APL, WDNR, and USACE were notified. The total down time was 28 hours.

3.3 Shut Down Due To High Effluent pH

Upon the arrival of the operator, the treatment plant was discovered shut down on November 18. It was shut down at 4:30 P.M. on November 17 due to a high effluent pH in the Effluent Holding Tank (EHT-700). The Treatment System Feed Pump (TFP-110) was activated in the Manual mode and the treatment system was restarted at 4:00 A.M. on November 18. The high pH effluent was recirculated by using it to perform an effluent backwash of the Tertiary Filtration System (TF-600). The pH had lowered to <9.0 at 6:30 A.M. and the treatment system was put back into the Automatic mode. APL, WDNR, and USACE were notified. The total down time was 11.5 hours.

3.4 Shut Down Due To Acid Leaks

On November 19, the treatment plant was shut down, at 7:50 A.M., to repair several acid leaks that occurred after replacing the metal piping in the Metals Package with plastic piping. After the piping was changed out at the metals package, the flow through the treatment plant increased and the acid pumps (SAP-751/752/753) had to overwork to attempt to reduce the pH. This increased pumping caused several leaks that needed to be retaped and pasted with Teflon. At 9:00 A.M., the treatment plant was restarted and the repairs were inspected for leakage. No leaks were detected and the SAP's were reprogrammed to compensate for the increased flow. APL, WDNR, and USACE were notified. The total down time was 1.25 hours.

3.5 Shut Down Due To Finish Piping

On November 22, the treatment plant was shut down from 11:00 A.M. to 11:30 A.M. to finish replacing the piping between the Treatment System Feed Pumps (TFP-110/111) to the Tertiary Filtration System (TF-600). APL, WDNR, and USACE were notified. The total down time was 0.5 hours.

4.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on November 1, 8, 15, 22, and 29 of 1999. The laboratory results of these samples show that all contaminants listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit except for TCE. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of November, 1999, the plant had five shut downs for a total of 41.5 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 December 15, 1999.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	11-1-99	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.5	11	N/A	N/A	8.1	Monitor	
TSS	2	NT	NT	NT	2	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	120	NT	NT	NT	10	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	10	Monitor	
Iron	1200	NT	NT	NT	90	Monitor	
Lead	2.3	NT	NT	NT	ND	1.5	
Manganese	170	NT	NT	NT	4	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	ND	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	10	Monitor	
Cyanide	7	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	26	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	18	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	54	NT	0.4	NT	ND	7	
1,2-Dichloroethene Trans	17	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	6.6	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	225	NT	0.27	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	622	NT	1.6	NT	0.38	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	5.6	NT	ND	NT	ND	124	
COD	20	NT	NT	NT	ND	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	ND	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.39	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.21	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	11-8-99	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11	N/A	N/A	8	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	30	NT	NT	NT	ND	10	
Copper	40	NT	NT	NT	ND	Monitor	
Iron	1900	NT	NT	NT	120	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	140	NT	NT	NT	8	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	ND	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	10	NT	NT	NT	50	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	24	NT	0.26	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	17	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	46	NT	0.5	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	8.7	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	222	NT	0.48	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	538	NT	2.5	NT	0.58	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	11-15-99	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11	N/A	N/A	8.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	10	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	1200	NT	NT	NT	270	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	160	NT	NT	NT	9	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	14	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	ND	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	34	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	15	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	58	NT	0.23	NT	ND	7	
1,2-Dichloroethene Trans	18	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	7	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	193	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	579	NT	0.9	NT	0.27	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	3.4	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:	11-22-99	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11	N/A	N/A	8.8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	12	NT	NT	NT	ND	5	
Barium	120	NT	NT	NT	20	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	1200	NT	NT	NT	160	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	160	NT	NT	NT	6	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	13	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	10	NT	NT	NT	10	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	33	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	17	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	57	NT	ND	NT	ND	7	
1,2-Dichloroethene Trans	19	NT	ND	NT	ND	20	
Ethylbenzene	2	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	7.5	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	205	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	600	NT	ND	NT	0.22	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	5.4	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:	11-29-99	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	10.5	N/A	N/A	8.5	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	120	NT	NT	NT	20	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	1100	NT	NT	NT	300	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	160	NT	NT	NT	10	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	14	20	
Selenium	16	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	10	NT	NT	NT	20	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	34	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	17	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	54	NT	0.2	NT	ND	7	
1,2-Dichloroethene Trans	16	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	ND	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	198	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	572	NT	0.93	NT	ND	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

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

FLOW FROM EXTRACTION WELLS

YEAR: 1999

MONTH: Nov. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,530,415.00	17,549.00	0.018	
2	2,547,964.00	30,736.00	0.031	
3	2,578,700.00	40,867.00	0.041	
4	2,619,567.00	37,922.00	0.038	
5	2,657,489.00	21,407.00	0.021	
6	2,678,896.00	41,243.00	0.041	
7	2,720,139.00	37,324.00	0.037	
8	2,757,463.00	31,673.00	0.032	SHUT OFF
9	2,789,136.00	36,726.00	0.037	SHUT OFF
10	2,825,862.00	25,688.00	0.026	
11	2,851,550.00	43,980.00	0.044	
12	2,895,530.00	29,894.00	0.030	
13	2,925,424.00	24,464.00	0.024	SHUT OFF
14	2,949,888.00	24,192.00	0.024	
15	2,974,080.00	26,551.00	0.027	SHUT OFF
16	3,000,631.00	3,195.00	0.003	SHUT OFF
17	3,003,826.00	7,440.00	0.007	SHUT OFF
18	3,011,266.00	38,665.00	0.039	SHUT OFF
19	3,049,931.00	28,024.00	0.028	
20	3,077,955.00	29,287.00	0.029	SHUT OFF
21	3,107,242.00	40,380.00	0.040	SHUT OFF
22	3,147,622.00	29,433.00	0.029	
23	3,177,055.00	33,978.00	0.034	
24	3,211,033.00	32,190.00	0.032	
25	3,243,223.00	36,267.00	0.036	
26	3,279,490.00	30,910.00	0.031	
27	3,310,400.00	35,842.00	0.036	
28	3,346,242.00	39,606.00	0.040	
29	3,385,848.00	26,696.00	0.027	SHUT OFF
30	3,412,544.00	34,386.00	0.034	
December 01	3,446,930.00			
		TOTAL	0.916	
		AVERAGE	0.031	

FLOW FROM EQT-100

YEAR: 1999

MONTH: Nov. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	4,955,672.00	42,046.00	0.042	
2	4,997,718.00	33,740.00	0.034	
3	5,031,458.00	51,099.00	0.051	
4	5,082,557.00	47,507.00	0.048	
5	5,130,064.00	24,508.00	0.025	
6	5,154,572.00	47,924.00	0.048	
7	5,202,496.00	51,318.00	0.051	
8	5,253,814.00	40,465.00	0.040	
9	5,294,279.00	43,900.00	0.044	
10	5,338,179.00	29,651.00	0.030	
11	5,367,830.00	51,185.00	0.051	
12	5,419,015.00	35,529.00	0.036	
13	5,454,544.00	48,127.00	0.048	
14	5,502,671.00	38,113.00	0.038	
15	5,540,784.00	36,133.00	0.036	
16	5,576,917.00	2,362.00	0.002	SHUT DOWN
17	5,579,279.00	19,164.00	0.019	SHUT DOWN
18	5,598,443.00	41,407.00	0.041	SHUT DOWN
19	5,639,850.00	29,650.00	0.030	
20	5,669,500.00	37,677.00	0.038	
21	5,707,177.00	47,951.00	0.048	
22	5,755,128.00	34,115.00	0.034	
23	5,789,243.00	41,894.00	0.042	
24	5,831,137.00	37,171.00	0.037	
25	5,868,308.00	46,753.00	0.047	
26	5,915,061.00	40,070.00	0.040	
27	5,955,131.00	46,961.00	0.047	
28	6,002,092.00	52,627.00	0.053	
29	6,054,719.00	44,339.00	0.044	
30	6,099,058.00	42,794.00	0.043	
December 01	6,141,852.00			
		TOTAL	1.187	
		AVERAGE	0.040	

EFFLUENT FLOW FROM PLANT

YEAR: 1999

MONTH: Nov. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	1,308,648.00	8401.00	16,802.00	0.017	
2	1,317,049.00	15685.00	31,370.00	0.031	
3	1,332,734.00	21972.00	43,944.00	0.044	
4	1,354,706.00	19802.00	39,604.00	0.040	
5	1,374,508.00	11615.00	23,230.00	0.023	
6	1,386,123.00	19865.00	39,730.00	0.040	
7	1,405,988.00	19389.00	38,778.00	0.039	
8	1,425,377.00	17600.00	35,200.00	0.035	
9	1,442,977.00	19484.00	38,968.00	0.039	
10	1,462,461.00	12168.00	24336.00	0.024	
11	1,474,629.00	22802.00	45604.00	0.046	
12	1,497,431.00	13884.00	27768.00	0.028	
13	1,511,315.00	11309.00	22618.00	0.023	
14	1,522,624.00	16357.00	32714.00	0.033	
15	1,538,981.00	13679.00	27358.00	0.027	
16	1,552,660.00	1329.00	2658.00	0.003	SHUT DOWN
17	1,553,989.00	6465.00	12930.00	0.013	SHUT DOWN
18	1,560,454.00	18203.00	36406.00	0.036	SHUT DOWN
19	1,578,657.00	13967.50	27935.00	0.028	
20	1,592,624.50	13967.50	27935.00	0.028	
21	1,606,592.00	22069.00	44138.00	0.044	
22	1,628,661.00	14804.00	29608.00	0.030	
23	1,643,465.00	17771.00	35542.00	0.036	
24	1,661,236.00	17522.00	35044.00	0.035	
25	1,678,758.00	17183.00	34366.00	0.034	
26	1,695,941.00	17122.00	34244.00	0.034	
27	1,713,063.00	17185.00	34370.00	0.034	
28	1,730,248.00	20145.00	40290.00	0.040	
29	1,750,393.00	15501.00	31002.00	0.031	
30	1,765,894.00	19,071.00	38,142.00	0.038	
December 01	1,784,965.00				
			TOTAL	0.953	
			AVERAGE	0.032	

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER	**990957**
DATE REPORTED:	06-Dec-99
DATE RECEIVED:	23-Nov-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Weekly Samplin
PROJECT NAME:	OGTP

Nova Sample Number: 17629
Client ID: **991122WA01P**
Collection: 11/22/99 Time: 15:50
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**12**	**ug/l**	*J* **RJ**	9.9	31	206.2	rf	11/23/99	*992669*
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.002	0.006	200.7	rf	11/24/99	*992686*
Cadmium - Furnace AA	**<0.7**	**ug/l**	**RJ**	0.7	2.2	213.2	rf	11/30/99	*992721*
Chromium, Total - ICAP	**<0.012**	**mg/l**	**RJ**	0.012	0.04	200.7	rf	11/24/99	*992686*
Copper- ICAP	**<0.01**	**mg/l**	**RJ**	0.01	0.03	200.7	rf	11/24/99	*992686*
Iron - ICAP	**1.2**	**mg/l**	**RJ**	0.078	0.25	200.7	rf	11/24/99	*992686*
Lead - Furnace AA	**<1.4**	**ug/l**	**RJ**	1.4	4.5	239.2	rf	11/30/99	*992720*
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.004	0.01	200.7	rf	11/24/99	*992686*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	pm	11/24/99	*992682*
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.01	0.03	200.7	rf	11/24/99	*992686*
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	rf	11/24/99	*992688*
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	11/24/99	*992686*
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	rf	11/23/99	*992668*
Zinc - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.01	0.03	200.7	rf	11/24/99	*992686*
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	srh	11/23/99	*992714*
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/30/99	*992719*
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/30/99	*992718*
pH (water)	**6.9**	**s.u.**	#			150.1	rf	11/29/99	*992705*

Nova Sample Number: 17630
Client ID: **991122WA09R**
Collection: 11/22/99 Time: 15:30
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<9.9**	**ug/l**	**RJ**	9.9	31	206.2	rf	11/23/99	*992669*
Barium - ICAP	**0.02**	**mg/l**	**RJ**	0.002	0.006	200.7	rf	11/24/99	*992686*
Cadmium - Furnace AA	**<0.7**	**ug/l**	**RJ**	0.7	2.2	213.2	rf	11/30/99	*992721*
Chromium, Total - ICAP	**<0.012**	**mg/l**	**RJ**	0.012	0.04	200.7	rf	11/24/99	*992686*
Copper- ICAP	**<0.01**	**mg/l**	**RJ**	0.01	0.03	200.7	rf	11/24/99	*992686*
Iron - ICAP	**0.16**	**mg/l**	*J* **RJ**	0.078	0.25	200.7	rf	11/24/99	*992686*
Lead - Furnace AA	**<1.4**	**ug/l**	**RJ**	1.4	4.5	239.2	rf	11/30/99	*992720*
Manganese - ICAP	**0.006**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	rf	11/24/99	*992686*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	pm	11/24/99	*992682*
Nickel - ICAP	**13**	**ug/l**	*J* **RJ**	10	32	200.7	rf	11/24/99	*992686*
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	rf	11/24/99	*992688*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990957
DATE REPORTED:	06-Dec-99
DATE RECEIVED:	23-Nov-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Weekly Samplin
PROJECT NAME:	OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	11/24/99	*992686*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	rf	11/23/99	*992668*	
Zinc - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.01	0.03	200.7	rf	11/24/99	*992686*	
Nova Sample Number: 17631										
Client ID: **991122WA02P**								Collection: 11/22/99	Time: 15:55	
								Sample Description:		
pH (water)	**9.3**	**s.u.**	**#**			150.1	rf	11/29/99	*992705*	
Nova Sample Number: 17632										
Client ID: **991122WA03P**								Collection: 11/22/99	Time: 15:57	
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	rf	11/29/99	*992705*	
Nova Sample Number: 17633										
Client ID: **991122WA05P**								Collection: 11/22/99	Time: 15:43	
								Sample Description:		
pH (water)	**8.6**	**s.u.**	**#**			150.1	rf	11/29/99	*992705*	
Nova Sample Number: 17636										
Client ID: **991122WA09P**								Collection: 11/22/99	Time: 15:30	
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	srh	11/23/99	*992714*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/30/99	*992719*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/30/99	*992718*	
pH (water)	**8.8**	**s.u.**	**#**			150.1	rf	11/29/99	*992705*	

Approved By: _____ **Date:** 12 to 99
James Chang, Ph.D. , Lab Director

RJ ***Result expressed as Total.***

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990957
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 23-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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: 17629			QC Prep Batch Number: 992702				*Sample analyzed within*	*2*	*Day(s) from collection.*	
Client ID: 991122WA01P	Sample Description:						*Collection:*	*11/22/99*	*Time:*	*15:50*
1,1,1,2-Tetrachloroethane	<2	ug/l	2	6.4	ns	10		8260	cps	11/24/99
1,1,1-Trichloroethane	205	ug/l	2.3	7.3	40	10		8260	cps	11/24/99
1,1,2,2-Tetrachloroethane	<2.9	ug/l	2.9	9.2	0.02	10		8260	cps	11/24/99
1,1,2-Trichloroethane	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	11/24/99
1,1-Dichloroethane	33	ug/l	1.5	4.8	85	10		8260	cps	11/24/99
1,1-Dichloroethene	17	ug/l	3.6	11	0.7	10		8260	cps	11/24/99
1,1-Dichloropropene	<4.9	ug/l	4.9	16	ns	10		8260	cps	11/24/99
1,2,3-Trichlorobenzene	<2.2	ug/l	2.2	7	ns	10		8260	cps	11/24/99
1,2,3-Trichloropropane	<6	ug/l	6	19	ns	10		8260	cps	11/24/99
1,2,4-Trichlorobenzene	<1.6	ug/l	1.6	5.1	14	10		8260	cps	11/24/99
1,2,4-Trimethylbenzene	4.4	ug/l	2.9	9.2	ns	10	J	8260	cps	11/24/99
1,2-Dibromoethane	<2.4	ug/l	2.4	7.6	0.005	10		8260	cps	11/24/99
1,2-Dichlorobenzene	<2	ug/l	2	6.4	60	10		8260	cps	11/24/99
1,2-Dichloroethane	<1.9	ug/l	1.9	6	0.5	10		8260	cps	11/24/99
1,2-Dichloropropane	<2.3	ug/l	2.3	7.3	0.5	10		8260	cps	11/24/99
1,3,5-Trimethylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	11/24/99
1,3-Dichlorobenzene	<1.9	ug/l	1.9	6	125	10		8260	cps	11/24/99
1,3-Dichloropropane	<2.1	ug/l	2.1	6.7	ns	10		8260	cps	11/24/99
1,4-Dichlorobenzene	<1.5	ug/l	1.5	4.8	15	10		8260	cps	11/24/99
12Dibromo-3-chloropropan	<5.9	ug/l	5.9	19	0.02	10		8260	cps	11/24/99
2,2-Dichloropropane	<4	ug/l	4	13	ns	10		8260	cps	11/24/99
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	11/24/99
2-Chloroethyl Vinyl Ether	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	11/24/99
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	ns	10		8260	cps	11/24/99
4-Chlorotoluene	<2.5	ug/l	2.5	8	ns	10		8260	cps	11/24/99
4-Methyl-2-Pentanone	<8.4	ug/l	8.4	27	50	10		8260	cps	11/24/99
Acetone	<16	ug/l	16	49	200	10		8260	cps	11/24/99
Benzene	7.9	ug/l	1.9	6	0.5	10		8260	cps	11/24/99
Bromobenzene	<1.9	ug/l	1.9	6	ns	10		8260	cps	11/24/99
Bromochloromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	11/24/99
Bromodichloromethane	<2.6	ug/l	2.6	8.3	0.06	10		8260	cps	11/24/99
Bromoform	<4.7	ug/l	4.7	15	0.44	10		8260	cps	11/24/99
Bromomethane	<2.1	ug/l	2.1	6.7	1	10		8260	cps	11/24/99
Carbon tetrachloride	<2.2	ug/l	2.2	7	0.5	10		8260	cps	11/24/99
Chlorobenzene	<2	ug/l	2	6.4	20	10		8260	cps	11/24/99
Chloroethane	15	ug/l	12	37	80	10	J	8260	cps	11/24/99
Chloroform	<2.7	ug/l	2.7	8.6	0.6	10		8260	cps	11/24/99
Chloromethane	<7.7	ug/l	7.7	24	0.3	10		8260	cps	11/24/99
cis-1,2-Dichloroethene	57	ug/l	2	6.4	7	10		8260	cps	11/24/99
cis-1,3-Dichloropropene	<2.4	ug/l	2.4	7.6	0.02	10		8260	cps	11/24/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	990957
DATE REPORTED:	29-Nov-99
DATE RECEIVED:	23-Nov-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling 11/
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	11/24/99
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	11/24/99
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	11/24/99
Ethylbenzene	2	ug/l	1.6	5.1	140	10	J	8260	cps	11/24/99
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	11/24/99
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	11/24/99
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	11/24/99
m&p-xylene	5.4	ug/l	3.6	11	124	10	J	8260	cps	11/24/99
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	11/24/99
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	11/24/99
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	11/24/99
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	11/24/99
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	11/24/99
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	11/24/99
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	11/24/99
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	11/24/99
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	11/24/99
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	11/24/99
Tetrachloroethene	7.5	ug/l	2.9	9.2	0.5	10	J	8260	cps	11/24/99
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	11/24/99
trans-1,2-Dichloroethene	19	ug/l	1.6	5.1	20	10		8260	cps	11/24/99
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	11/24/99
Trichloroethene	600	ug/l	1.6	5.1	0.5	10		8260	cps	11/24/99
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	11/24/99
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	11/24/99

Sample Number: **17634** QC Prep Batch Number: 992702 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **991122WA07P** Sample Description: *Collection: 11/22/99 Time: 15:45*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1	8260	cps	11/24/99
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1	8260	cps	11/24/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1	8260	cps	11/24/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1	8260	cps	11/24/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1	8260	cps	11/24/99
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1	8260	cps	11/24/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1	8260	cps	11/24/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1	8260	cps	11/24/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1	8260	cps	11/24/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1	8260	cps	11/24/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1	8260	cps	11/24/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1	8260	cps	11/24/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1	8260	cps	11/24/99
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1	8260	cps	11/24/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990957
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 23-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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	11/24/99
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/24/99
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	11/24/99
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/24/99
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	11/24/99
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/24/99
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/24/99
2-Butanone (MEK)	41	ug/l	1.4	4.4	90	1		8260	cps	11/24/99
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/24/99
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/24/99
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/24/99
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	11/24/99
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	11/24/99
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/24/99
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/24/99
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/24/99
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/24/99
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	11/24/99
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	11/24/99
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/24/99
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	11/24/99
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	11/24/99
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	11/24/99
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/24/99
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	11/24/99
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/24/99
Dibromochloromethane	0.33	ug/l	0.21	0.67	6	1	J	8260	cps	11/24/99
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/24/99
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	11/24/99
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	11/24/99
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/24/99
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	11/24/99
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/24/99
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	11/24/99
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	11/24/99
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/24/99
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/24/99
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/24/99
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	11/24/99
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	11/24/99
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/24/99
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/24/99
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	11/24/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990957**
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 23-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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	11/24/99
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/24/99
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	11/24/99
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	11/24/99
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/24/99
Trichloroethene	<0.16	ug/l	0.16	0.51	0.5	1		8260	cps	11/24/99
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/24/99
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/24/99

Sample Number: **17635** QC Prep Batch Number: 992702 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 11/22/99 Time:*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/24/99
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	11/24/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	11/24/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/24/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	11/24/99
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	11/24/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/24/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/24/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/24/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	11/24/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/24/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/24/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	11/24/99
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/24/99
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	11/24/99
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/24/99
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	11/24/99
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/24/99
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	11/24/99
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/24/99
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/24/99
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	11/24/99
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/24/99
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/24/99
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/24/99
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	11/24/99
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	11/24/99
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/24/99
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/24/99
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/24/99
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/24/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990957
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 23-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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	11/24/99
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	11/24/99
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/24/99
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	11/24/99
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	11/24/99
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	11/24/99
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/24/99
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	11/24/99
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/24/99
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	11/24/99
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/24/99
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	11/24/99
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	11/24/99
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/24/99
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	11/24/99
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/24/99
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	11/24/99
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	11/24/99
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/24/99
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/24/99
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/24/99
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	11/24/99
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	11/24/99
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/24/99
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/24/99
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	11/24/99
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/24/99
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/24/99
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	11/24/99
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	11/24/99
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/24/99
Trichloroethene	<0.16	ug/l	0.16	0.51	0.5	1		8260	cps	11/24/99
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/24/99
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/24/99

Sample Number: 17636 QC Prep Batch Number: 992702 *Sample analyzed within 2 Day(s) from collection.*
Client ID: 991122WA09P Sample Description: *Collection: 11/22/99 Time: 15:30*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1	8260	cps	11/24/99
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1	8260	cps	11/24/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1	8260	cps	11/24/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1	8260	cps	11/24/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1	8260	cps	11/24/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990957
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 23-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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	11/24/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/24/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/24/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/24/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	11/24/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/24/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/24/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	11/24/99
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/24/99
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	11/24/99
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/24/99
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	11/24/99
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/24/99
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	11/24/99
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/24/99
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/24/99
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	11/24/99
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/24/99
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/24/99
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/24/99
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	11/24/99
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	11/24/99
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/24/99
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/24/99
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/24/99
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/24/99
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	11/24/99
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	11/24/99
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/24/99
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	11/24/99
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	11/24/99
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	11/24/99
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/24/99
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	11/24/99
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/24/99
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	11/24/99
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/24/99
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	11/24/99
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	11/24/99
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/24/99
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	11/24/99
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/24/99
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	11/24/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	990957
DATE REPORTED:	29-Nov-99
DATE RECEIVED:	23-Nov-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling 11/
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	11/24/99
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/24/99
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/24/99
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/24/99
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	11/24/99
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	11/24/99
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/24/99
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/24/99
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	11/24/99
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/24/99
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/24/99
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	11/24/99
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	11/24/99
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/24/99
Trichloroethene	0.22	ug/l	0.16	0.51	0.5	1	J	8260	cps	11/24/99
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/24/99
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/24/99

Approved By: _____ **Date:** 12/6/99
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.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER: 990862
DATE REPORTED: 05-Nov-99
DATE RECEIVED: 28-Oct-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: **17164**	*Percent Solid:*	*35.6%*	*QC Batch Number: 992423*			*Sample analyzed within*	*1*	*Day(s) from collection.*		
Client ID: **991028SC13P**	Sample Description:					*Collection:*	*10/28/99*	*Time:*	*11:00*	
1,1,1-Trichloroethane	<125*	**ug/kg**	125	300	29	5.0		8260	cps	10/29/99
1,1,2,2-Tetrachloroethane	<125*	**ug/kg**	125	300	37	5.0		8260	cps	10/29/99
1,1,2-Trichloroethane	<125*	**ug/kg**	125	300	37	5.0		8260	cps	10/29/99
1,1-Dichloroethane	<125*	**ug/kg**	125	300	19	5.0		8260	cps	10/29/99
1,1-Dichloroethene	<125*	**ug/kg**	125	300	44	5.0		8260	cps	10/29/99
1,2,3-Trichlorobenzene	<125*	**ug/kg**	125	300	27	5.0		8260	cps	10/29/99
1,2,4-Trichlorobenzene	<125*	**ug/kg**	125	300	20	5.0		8260	cps	10/29/99
1,2,4-Trimethylbenzene	<125*	**ug/kg**	125	300	37	5.0		8260	cps	10/29/99
1,2-Dibromo-3-chloropropan	<125*	**ug/kg**	125	300	74	5.0		8260	cps	10/29/99
1,2-Dichlorobenzene	<125*	**ug/kg**	125	300	25	5.0		8260	cps	10/29/99
1,2-Dichloroethane	<125*	**ug/kg**	125	300	24	5.0		8260	cps	10/29/99
1,2-Dichloropropane	<125*	**ug/kg**	125	300	29	5.0		8260	cps	10/29/99
1,3,5-Trimethylbenzene	<125*	**ug/kg**	125	300	28	5.0		8260	cps	10/29/99
1,3-Dichlorobenzene	<125*	**ug/kg**	125	300	23	5.0		8260	cps	10/29/99
1,3-Dichloropropane	<125*	**ug/kg**	125	300	27	5.0		8260	cps	10/29/99
1,4-Dichlorobenzene	<125*	**ug/kg**	125	300	18	5.0		8260	cps	10/29/99
2,2-Dichloropropane	<125*	**ug/kg**	125	300	50	5.0		8260	cps	10/29/99
2-Chlorotoluene	<125*	**ug/kg**	125	300	19	5.0		8260	cps	10/29/99
4-Chlorotoluene	<125*	**ug/kg**	125	300	31	5.0		8260	cps	10/29/99
Benzene	<125*	**ug/kg**	125	300	24	5.0		8260	cps	10/29/99
Bromobenzene	<125*	**ug/kg**	125	300	24	5.0		8260	cps	10/29/99
Bromodichloromethane	<125*	**ug/kg**	125	300	32	5.0		8260	cps	10/29/99
Carbon tetrachloride	<125*	**ug/kg**	125	300	27	5.0		8260	cps	10/29/99
Chlorobenzene	<125*	**ug/kg**	125	300	25	5.0		8260	cps	10/29/99
Chloroethane	<145	**ug/kg**	125	300	145	5.0		8260	cps	10/29/99
Chloroform	<125*	**ug/kg**	125	300	34	5.0		8260	cps	10/29/99
Chloromethane	<125*	**ug/kg**	125	300	96	5.0		8260	cps	10/29/99
cis-1,2-Dichloroethene	<125*	**ug/kg**	125	300	25	5.0		8260	cps	10/29/99
Dibromochloromethane	<125*	**ug/kg**	125	300	26	5.0		8260	cps	10/29/99
Dichlorodifluoromethane	<125*	**ug/kg**	125	300	45	5.0		8260	cps	10/29/99
Ethylbenzene	<125*	**ug/kg**	125	300	19	5.0		8260	cps	10/29/99
Hexachlorobutadiene	<125*	**ug/kg**	125	300	28	5.0		8260	cps	10/29/99
Isopropyl Ether	<125*	**ug/kg**	125	300	40	5.0		8260	cps	10/29/99
Isopropylbenzene	<125*	**ug/kg**	125	300	21	5.0		8260	cps	10/29/99
m&p-xylene	<125*	**ug/kg**	125	300	45	5.0		8260	cps	10/29/99
Methylene chloride	<125*	**ug/kg**	125	300	95	5.0		8260	cps	10/29/99
MTBE	<125*	**ug/kg**	125	300	26	5.0		8260	cps	10/29/99
n-Butylbenzene	<125*	**ug/kg**	125	300	28	5.0		8260	cps	10/29/99
n-Propylbenzene	<125*	**ug/kg**	125	300	31	5.0		8260	cps	10/29/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

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

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990862
DATE REPORTED: 05-Nov-99
DATE RECEIVED: 28-Oct-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Naphthalene	<125*	**ug/kg**	125	300	57	5.0		8260	cps	10/29/99
o-xylene	<125*	**ug/kg**	125	300	22	5.0		8260	cps	10/29/99
p-Isopropyltoluene	<125*	**ug/kg**	125	300	23	5.0		8260	cps	10/29/99
sec-Butylbenzene	<125*	**ug/kg**	125	300	37	5.0		8260	cps	10/29/99
tert-Butylbenzene	<125*	**ug/kg**	125	300	25	5.0		8260	cps	10/29/99
Tetrachloroethene	<125*	**ug/kg**	125	300	36	5.0		8260	cps	10/29/99
Toluene	<125*	**ug/kg**	125	300	41	5.0		8260	cps	10/29/99
trans-1,2-Dichloroethene	<125*	**ug/kg**	125	300	20	5.0		8260	cps	10/29/99
Trichloroethene	518	**ug/kg**	125	300	20	5.0		8260	cps	10/29/99
Trichlorofluoromethane	<125*	**ug/kg**	125	300	43	5.0		8260	cps	10/29/99
Vinyl chloride	<125*	**ug/kg**	125	300	27	5.0		8260	cps	10/29/99

Approved By: _____ **Date:** 11/1/99
James Chang, Ph.D. , Lab Director

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "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.

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990826
DATE REPORTED:	12-Nov-99
DATE RECEIVED:	19-Oct-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Sludge Cake
PROJECT NAME:	OGTP

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

Nova Sample Number: 17050
Client ID: **991019SC13P**

Collection: 10/19/99 Time: 11:50
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - ICAP	<0.006	mg/l	TC	0.006	0.02	200.7	rf	10/21/99	992357	%rec=89
Chromium, Total - ICAP	<0.012	mg/l	TC	0.012	0.04	200.7	rf	10/21/99	992357	%rec=94
Lead - ICAP	<0.051	mg/l	TC	0.051	0.16	200.7	rf	10/21/99	992357	%rec=78
Nickel - ICAP	<0.01	mg/l	TC	0.01	0.03	200.7	rf	10/21/99	992357	%rec=87
Silver - ICAP	<0.009	mg/l	TC	0.009	0.03	200.7	rf	10/21/99	992357	%rec=87
Cyanide, Reactive	0.22	mg/kg		0.031	0.10	335.2	srh	11/9/99	992525	
Free Liquids (paint filter test)	pass		#			9095	rf	10/20/99	992323	
pH (Solids)	11	s.u.	#			9045	rf	10/20/99	992322	
Solids, Total Percent	36	%	#			SM 2540	pm	11/20/99	992325	
Specific Gravity	1.3	s.u.	#			SM 2710	rf	10/21/99	992350	
TCLP extraction	done		#			1311	rf	10/20/99	992324	

Approved By: _____ Date: 11/10/99
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.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990845
DATE REPORTED:	12-Nov-99
DATE RECEIVED:	25-Oct-99
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: 17100
Client ID: **991025WA01P**

Collection: 10/25/99 Time: 10:00
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	11/2/99	992445	
Barium - ICAP	1.1	mg/l		RJ	0.002	0.006	200.7	rf	10/28/99	992399	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	10/27/99	992396	
Chromium, Total - ICAP	<0.01	mg/l		RJ	0.012	0.04	200.7	rf	10/28/99	992399	
Copper- ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	10/28/99	992399	
Iron - ICAP	1.1	mg/l		RJ	0.078	0.25	200.7	rf	10/28/99	992399	
Lead - Furnace AA	<1.4	ug/l		RJ	1.4	4.5	239.2	dmd	10/27/99	992397	
Manganese - ICAP	0.16	mg/l		RJ	0.004	0.01	200.7	rf	10/28/99	992399	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	10/29/99	992412	
Nickel - ICAP	0.04	mg/l		RJ	0.01	0.03	200.7	rf	10/28/99	992399	
Selenium - Furnace AA	<7.8	ug/l		RJ	7.8	25	270.2	rf	11/2/99	992446	
Silver - ICAP	<0.009	mg/l		RJ	0.009	0.03	200.7	rf	10/28/99	992399	
Thallium - Furnace AA	<4.8	ug/l		RJ	4.8	15	279.2	dmd/rf	10/26/99	992373	
Zinc - ICAP	0.02	mg/l	J	RJ	0.01	0.03	200.7	rf	10/28/99	992399	
Chromium, Hexavalent	<0.0042	mg/L			0.004	0.01	SM 3500	805353	10/26/99	992460	
Cyanide, Amenable	<0.0077	mg/l			0.008	0.02	335.2		11/3/99		dnr#128053530
Cyanide, Total	0.01	mg/l	J		0.008	0.02	335.2	805353	11/3/99	992462	
pH (water)	7.6	s.u.	#				150.1	srh	10/25/99	992379	

Nova Sample Number: 17101
Client ID: **991025WA09R**

Collection: 10/25/99 Time:
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	11/2/99	992445
Barium - ICAP	0.02	mg/l		RJ	0.002	0.006	200.7	rf	10/28/99	992399
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	10/27/99	992396
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	rf	10/28/99	992399
Copper- ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	10/28/99	992399
Iron - ICAP	<0.078	mg/l		RJ	0.078	0.25	200.7	rf	10/28/99	992399
Lead - Furnace AA	<1.4	ug/l		RJ	1.4	4.5	239.2	dmd	10/27/99	992397
Manganese - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	rf	10/28/99	992399
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	10/29/99	992412
Nickel - ICAP	14	ug/l	J	RJ	10	32	200.7	rf	10/28/99	992399
Selenium - Furnace AA	<7.8	ug/l		RJ	7.8	25	270.2	rf	11/2/99	992446

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990845
DATE REPORTED: 12-Nov-99
DATE RECEIVED: 25-Oct-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	rf	10/28/99	992399	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd/rf	10/26/99	992373	
Zinc - ICAP	0.05	mg/l	RJ	0.01	0.03	200.7	rf	10/28/99	992399	
Nova Sample Number: 17102										
Client ID: 991025WA02P								Collection: 10/25/99		Time: 09:40
								Sample Description:		
pH (water)	10	s.u.	#			150.1	srh	10/25/99	992379	
Nova Sample Number: 17103										
Client ID: 991025WA03P								Collection: 10/25/99		Time: 09:41
								Sample Description:		
pH (water)	11	s.u.	#			150.1	srh	10/25/99	992379	
Nova Sample Number: 17104										
Client ID: 991025WA05P								Collection: 10/25/99		Time: 09:33
								Sample Description:		
pH (water)	9.3	s.u.	#			150.1	srh	10/25/99	992379	
Nova Sample Number: 17106										
Client ID: 991025WA09P								Collection: 10/25/99		Time: 09:55
								Sample Description:		
Chromium, Hexavalent	<0.0042	mg/L		0.004	0.01	SM 3500	805353	10/26/99	992460	
Cyanide, Amenable	<0.0077	mg/l		0.008	0.02	335.2		11/3/99		dnr#128053530
Cyanide, Total	<0.0077	mg/l		0.008	0.02	335.2	805353	11/3/99	992462	
pH (water)	8.5	s.u.	#			150.1	srh	10/25/99	992379	

Approved By: _____ **Date:** 11/11/99
James Chang, Ph.D. , Lab Director

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

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990845
DATE REPORTED: 28-Oct-99
DATE RECEIVED: 25-Oct-99
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: 17100				QC Prep Batch Number: 992393			*Sample analyzed within 1 Day(s) from collection.*			
Client ID: 991025WA01P	Sample Description:						*Collection: 10/25/99 Time: 10:00*			
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	10/26/99
1,1,1-Trichloroethane	173	ug/l	2.3	7.3	40	10		8260	cps	10/26/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	10/26/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	10/26/99
1,1-Dichloroethane	31	ug/l	1.5	4.8	85	10		8260	cps	10/26/99
1,1-Dichloroethene	12	ug/l	3.6	11	0.7	10		8260	cps	10/26/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	10/26/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	10/26/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	10/26/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	10/26/99
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	10/26/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	10/26/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	10/26/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	10/26/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	10/26/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	10/26/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	10/26/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	10/26/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	10/26/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	10/26/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	10/26/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	10/26/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	10/26/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	10/26/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	10/26/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	10/26/99
Acetone	< 16	ug/l	16	49	200	10		8260	cps	10/26/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	10/26/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	10/26/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	10/26/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	10/26/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	10/26/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	10/26/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	10/26/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	10/26/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	10/26/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	10/26/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	10/26/99
cis-1,2-Dichloroethene	56	ug/l	2	6.4	7	10		8260	cps	10/26/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	10/26/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990845
DATE REPORTED: 28-Oct-99
DATE RECEIVED: 25-Oct-99
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	10/26/99
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	cps	10/26/99
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	cps	10/26/99
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	cps	10/26/99
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	10/26/99
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	cps	10/26/99
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	cps	10/26/99
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	cps	10/26/99
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	cps	10/26/99
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	cps	10/26/99
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	10/26/99
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	10/26/99
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	cps	10/26/99
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	cps	10/26/99
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	cps	10/26/99
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	10/26/99
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	cps	10/26/99
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	cps	10/26/99
Tetrachloroethene	7.2	ug/l	2.9	9.2	0.5	10	J	8260	cps	10/26/99
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	cps	10/26/99
trans-1,2-Dichloroethene	14	ug/l	1.6	5.1	20	10		8260	cps	10/26/99
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	cps	10/26/99
Trichloroethene	588	ug/l	1.6	5.1	0.5	10		8260	cps	10/26/99
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	10/26/99
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	10/26/99

Sample Number: 17105 QC Prep Batch Number: 992393 *Sample analyzed within 1 Day(s) from collection.*
Client ID: 991025WA07P Sample Description: *Collection: 10/25/99 Time: 09:35*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	10/26/99
1,1,1-Trichloroethane	0.35	ug/l	0.23	0.73	40	1	J	8260	cps	10/26/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	10/26/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	10/26/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	10/26/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	10/26/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	10/26/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/26/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	10/26/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	10/26/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	10/26/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	10/26/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	10/26/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	10/26/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990845
DATE REPORTED: 28-Oct-99
DATE RECEIVED: 25-Oct-99
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	10/26/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	10/26/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	10/26/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	10/26/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	10/26/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	10/26/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	10/26/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/26/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	10/26/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	10/26/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	10/26/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	10/26/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/26/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	10/26/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	10/26/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/26/99
Bromodichloromethane	0.46	ug/l	0.26	0.83	0.06	1	J	8260	cps	10/26/99
Bromoform	0.62	ug/l	0.47	1.5	0.44	1	J	8260	cps	10/26/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	10/26/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	10/26/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	10/26/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	10/26/99
Chloroform	0.6	ug/l	0.27	0.86	0.6	1	J	8260	cps	10/26/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	10/26/99
cis-1,2-Dichloroethene	0.38	ug/l	0.2	0.64	7	1	J	8260	cps	10/26/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	10/26/99
Dibromochloromethane	0.73	ug/l	0.21	0.67	6	1		8260	cps	10/26/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	10/26/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	10/26/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	10/26/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/26/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	10/26/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	10/26/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	10/26/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	10/26/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	10/26/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	10/26/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	10/26/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	10/26/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	10/26/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	10/26/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/26/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	10/26/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990845
DATE REPORTED: 28-Oct-99
DATE RECEIVED: 25-Oct-99
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	10/26/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	10/26/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	10/26/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	10/26/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/26/99
Trichloroethene	1.8	ug/l	0.16	0.51	0.5	1		8260	cps	10/26/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/26/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	10/26/99

Sample Number: 17106 QC Prep Batch Number: 992393 *Sample analyzed within 1 Day(s) from collection.*
Client ID: 991025WA09P Sample Description: *Collection: 10/25/99 Time: 09:55*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	10/26/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	10/26/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	10/26/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	10/26/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	10/26/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	10/26/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	10/26/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/26/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	10/26/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	10/26/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	10/26/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	10/26/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	10/26/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	10/26/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	10/26/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	10/26/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	10/26/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	10/26/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	10/26/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	10/26/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	10/26/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/26/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	10/26/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	10/26/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	10/26/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	10/26/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/26/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	10/26/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	10/26/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/26/99
Bromodichloromethane	0.75	ug/l	0.26	0.83	0.06	1	J	8260	cps	10/26/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990845
DATE REPORTED: 28-Oct-99
DATE RECEIVED: 25-Oct-99
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	10/26/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	10/26/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	10/26/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	10/26/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	10/26/99
Chloroform	3.3	ug/l	0.27	0.86	0.6	1		8260	cps	10/26/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	10/26/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	10/26/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	10/26/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	10/26/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	10/26/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	10/26/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	10/26/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/26/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	10/26/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	10/26/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	10/26/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	10/26/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	10/26/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	10/26/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	10/26/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	10/26/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	10/26/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	10/26/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/26/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	10/26/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	10/26/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	10/26/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	10/26/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	10/26/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/26/99
Trichloroethene	0.48	ug/l	0.16	0.51	0.5	1	J	8260	cps	10/26/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/26/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	10/26/99

Sample Number: 17107 QC Prep Batch Number: 992393 *Sample analyzed within 1 Day(s) from collection.*
Client ID: Trip Blank Sample Description: *Collection: 10/25/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	10/26/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	10/26/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	10/26/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	10/26/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	10/26/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990845
DATE REPORTED: 28-Oct-99
DATE RECEIVED: 25-Oct-99
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	10/26/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	10/26/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/26/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	10/26/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	10/26/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	10/26/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	10/26/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	10/26/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	10/26/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	10/26/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	10/26/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	10/26/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	10/26/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	10/26/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	10/26/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	10/26/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/26/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	10/26/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	10/26/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	10/26/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	10/26/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/26/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	10/26/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	10/26/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/26/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	10/26/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	10/26/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	10/26/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	10/26/99
Chlorobenzene	0.46	ug/l	0.2	0.64	20	1	J	8260	cps	10/26/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	10/26/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	10/26/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	10/26/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	10/26/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	10/26/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	10/26/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	10/26/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	10/26/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	10/26/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/26/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	10/26/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	10/26/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	10/26/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990845
DATE REPORTED: 28-Oct-99
DATE RECEIVED: 25-Oct-99
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	10/26/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	10/26/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	10/26/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	10/26/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	10/26/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	10/26/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	10/26/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/26/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	10/26/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	10/26/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	10/26/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	10/26/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	10/26/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/26/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	10/26/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/26/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	10/26/99

Approved By: _____ **Date:** 11/8/99

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.

INORGANIC REPORT

APL INC.

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

WDNR# 241340550

INVOICE NUMBER: **990929**
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 16-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

Nova Sample Number: 17489
Client ID: **991115WA01P**
Collection: 11/15/99 Time: 13:55
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<9.9**	**ug/l**		**RJ**	9.9	31	206.2	dmd	11/18/99	*992607*	
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.002	0.006	200.7	rf	11/23/99	*992670*	
Cadmium - Furnace AA	**<0.7**	**ug/l**		**RJ**	0.7	2.2	213.2	rf	11/22/99	*992648*	
Chromium, Total - ICAP	**<0.012**	**mg/l**		**RJ**	0.012	0.04	200.7	rf	11/23/99	*992670*	
Copper- ICAP	**<0.01**	**mg/l**		**RJ**	0.01	0.03	200.7	rf	11/23/99	*992670*	
Iron - ICAP	**1.2**	**mg/l**		**RJ**	0.078	0.25	200.7	rf	11/23/99	*992670*	
Lead - Furnace AA	**<1.4**	**ug/l**		**RJ**	1.4	4.5	239.2	dmd	11/22/99	*992647*	
Manganese - ICAP	**0.16**	**mg/l**		**RJ**	0.004	0.01	200.7	rf	11/23/99	*992670*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	rf	11/19/99	*992616*	
Nickel - ICAP	**0.04**	**mg/l**		**RJ**	0.01	0.03	200.7	rf	11/23/99	*992670*	
Selenium - Furnace AA	**<7.8**	**ug/l**		**RJ**	7.8	25	270.2	rf	11/18/99	*992608*	
Silver - ICAP	**<0.009**	**mg/l**		**RJ**	0.009	0.03	200.7	rf	11/23/99	*992670*	
Thallium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	279.2	rf	11/23/99	*992668*	
Zinc - ICAP	**<0.01**	**mg/l**		**RJ**	0.01	0.03	200.7	rf	11/23/99	*992670*	
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	12805	11/19/99	*992634*	
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	srh	11/18/99	*992612*	
Cyanide, Total	**<0.006**	**mg/l**			0.006	0.02	335.2	srh	11/18/99	*992611*	
pH (water)	**7**	**s.u.**	#				150.1	sh	11/18/99	*992615*	

Nova Sample Number: 17490
Client ID: **991115WA09R**
Collection: 11/15/99 Time: 14:00
Sample Description:

Arsenic - Furnace AA	**<9.9**	**ug/l**		**RJ**	9.9	31	206.2	dmd	11/18/99	*992607*	
Barium - ICAP	**0.01**	**mg/l**		**RJ**	0.002	0.006	200.7	rf	11/23/99	*992670*	
Cadmium - Furnace AA	**<0.7**	**ug/l**		**RJ**	0.7	2.2	213.2	rf	11/22/99	*992649*	
Chromium, Total - ICAP	**<0.012**	**mg/l**		**RJ**	0.012	0.04	200.7	rf	11/23/99	*992670*	
Copper- ICAP	**<0.01**	**mg/l**		**RJ**	0.01	0.03	200.7	rf	11/23/99	*992670*	
Iron - ICAP	**0.27**	**mg/l**		**RJ**	0.078	0.25	200.7	rf	11/23/99	*992670*	
Lead - Furnace AA	**<1.4**	**ug/l**		**RJ**	1.4	4.5	239.2	dmd	11/22/99	*992647*	
Manganese - ICAP	**0.009**	**mg/l**	*J*	**RJ**	0.004	0.01	200.7	rf	11/23/99	*992670*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	rf	11/19/99	*992616*	
Nickel - ICAP	**14**	**ug/l**	*J*	**RJ**	10	32	200.7	rf	11/23/99	*992670*	
Selenium - Furnace AA	**<7.8**	**ug/l**		**RJ**	7.8	25	270.2	rf	11/18/99	*992608*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990929
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 16-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	11/23/99	*992670*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	rf	11/23/99	*992668*	
Zinc - ICAP	**<0.01**	**mg/l**	**RJ**	0.01	0.03	200.7	rf	11/23/99	*992670*	
Nova Sample Number: 17491										
Client ID: **991115WA02P**								Collection: 11/15/99		Time: 14:05
								Sample Description:		
pH (water)	**9.7**	**s.u.**	**#**			150.1	sh	11/18/99	*992615*	
Nova Sample Number: 17492										
Client ID: **991115WA03P**								Collection: 11/15/99		Time: 14:06
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	sh	11/18/99	*992615*	
Nova Sample Number: 17493										
Client ID: **991115WA05P**								Collection: 11/15/99		Time: 14:20
								Sample Description:		
pH (water)	**6.9**	**s.u.**	**#**			150.1	sh	11/18/99	*992615*	
Nova Sample Number: 17495										
Client ID: **991115WA09P**								Collection: 11/15/99		Time: 14:10
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	11/19/99	*992634*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/18/99	*992612*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/18/99	*992611*	
pH (water)	**8.6**	**s.u.**	**#**			150.1	sh	11/18/99	*992615*	

Approved By: _____ **Date:** 11/29/99
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990929**
DATE REPORTED: 18-Nov-99
DATE RECEIVED: 16-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: 17489				QC Prep Batch Number: 992603			*Sample analyzed within*	*1*	*Day(s) from collection.*	
Client ID: 991115WA01P	Sample Description:						*Collection:*	*11/15/99*	*Time:*	*13:55*
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	11/16/99
1,1,1-Trichloroethane	193	ug/l	2.3	7.3	40	10		8260	cps	11/16/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	11/16/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	11/16/99
1,1-Dichloroethane	34	ug/l	1.5	4.8	85	10		8260	cps	11/16/99
1,1-Dichloroethene	15	ug/l	3.6	11	0.7	10		8260	cps	11/16/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	11/16/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	11/16/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	11/16/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	11/16/99
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	11/16/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	11/16/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	11/16/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	11/16/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	11/16/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	11/16/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	11/16/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	11/16/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	11/16/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	11/16/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	11/16/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	11/16/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	11/16/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	11/16/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	11/16/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	11/16/99
Acetone	< 16	ug/l	16	49	200	10		8260	cps	11/16/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	11/16/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	11/16/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	11/16/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	11/16/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	11/16/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	11/16/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	11/16/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	11/16/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	11/16/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	11/16/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	11/16/99
cis-1,2-Dichloroethene	58	ug/l	2	6.4	7	10		8260	cps	11/16/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	11/16/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990929**
DATE REPORTED: 18-Nov-99
DATE RECEIVED: 16-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
PROJECT NAME: OGTP

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

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	11/16/99
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	11/16/99
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	11/16/99
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	11/16/99
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	11/16/99
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	11/16/99
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	11/16/99
m&p-xylene	5.4	ug/l	3.6	11	124	10	J	8260	cps	11/16/99
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	11/16/99
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	11/16/99
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	11/16/99
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	11/16/99
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	11/16/99
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	11/16/99
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	11/16/99
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	11/16/99
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	11/16/99
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	11/16/99
Tetrachloroethene	7	ug/l	2.9	9.2	0.5	10	J	8260	cps	11/16/99
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	11/16/99
trans-1,2-Dichloroethene	18	ug/l	1.6	5.1	20	10		8260	cps	11/16/99
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	11/16/99
Trichloroethene	579	ug/l	1.6	5.1	0.5	10		8260	cps	11/16/99
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	11/16/99
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	11/16/99

Sample Number: **17494** QC Prep Batch Number: 992603 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **991115WA07P** Sample Description: *Collection: 11/15/99 Time: 14:22*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/16/99
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	11/16/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	11/16/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/16/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	11/16/99
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	11/16/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/16/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/16/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/16/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	11/16/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/16/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/16/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	11/16/99
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/16/99

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ORGANIC REPORT

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BATCH NUMBER:	**990929**
DATE REPORTED:	18-Nov-99
DATE RECEIVED:	16-Nov-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling 11/
PROJECT NAME:	OGTP

Dr. James Chang
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Milwaukee , WI 53223

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	11/16/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/16/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	11/16/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/16/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	11/16/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/16/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/16/99
2-Butanone (MEK)	6.5	ug/l	1.4	4.4	90	1		8260	cps	11/16/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/16/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/16/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/16/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	11/16/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	11/16/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/16/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/16/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/16/99
Bromodichloromethane	0.39	ug/l	0.26	0.83	0.06	1	J	8260	cps	11/16/99
Bromoform	0.87	ug/l	0.47	1.5	0.44	1	J	8260	cps	11/16/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	11/16/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/16/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	11/16/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	11/16/99
Chloroform	0.28	ug/l	0.27	0.86	0.6	1	J	8260	cps	11/16/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/16/99
cis-1,2-Dichloroethene	0.23	ug/l	0.2	0.64	7	1	J	8260	cps	11/16/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/16/99
Dibromochloromethane	0.79	ug/l	0.21	0.67	6	1		8260	cps	11/16/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/16/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	11/16/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	11/16/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/16/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	11/16/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/16/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	11/16/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	11/16/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/16/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/16/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/16/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	11/16/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	11/16/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/16/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/16/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	11/16/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990929**
DATE REPORTED: 18-Nov-99
DATE RECEIVED: 16-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
PROJECT NAME: OGTP

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

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	11/16/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/16/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	11/16/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	11/16/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/16/99
Trichloroethene	0.9	ug/l	0.16	0.51	0.5	1		8260	cps	11/16/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/16/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/16/99

Sample Number: **17495** QC Prep Batch Number: 992603 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **991115WA09P** Sample Description: *Collection: 11/15/99 Time: 14:10*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/16/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	11/16/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	11/16/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/16/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	11/16/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	11/16/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/16/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/16/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/16/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	11/16/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/16/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/16/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	11/16/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/16/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	11/16/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/16/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	11/16/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/16/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	11/16/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/16/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/16/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	11/16/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/16/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/16/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/16/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	11/16/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	11/16/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/16/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/16/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/16/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/16/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**990929**
DATE REPORTED:	18-Nov-99
DATE RECEIVED:	16-Nov-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling 11/
PROJECT NAME:	OGTP

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

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	11/16/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	11/16/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/16/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	11/16/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	11/16/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	11/16/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/16/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	11/16/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/16/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	11/16/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/16/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	11/16/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	11/16/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/16/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	11/16/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/16/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	11/16/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	11/16/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/16/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/16/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/16/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	11/16/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	11/16/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/16/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/16/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	11/16/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/16/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/16/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	11/16/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	11/16/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/16/99
Trichloroethene	0.27	ug/l	0.16	0.51	0.5	1	*J*	8260	cps	11/16/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/16/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/16/99

Sample Number: **17496** QC Prep Batch Number: 992603 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 11/15/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/16/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	11/16/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	11/16/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/16/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	11/16/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990929**
DATE REPORTED: 18-Nov-99
DATE RECEIVED: 16-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
PROJECT NAME: OGTP

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

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	11/16/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/16/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/16/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/16/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	11/16/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/16/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/16/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	11/16/99
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/16/99
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	11/16/99
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/16/99
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	11/16/99
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/16/99
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	11/16/99
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/16/99
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/16/99
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	11/16/99
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/16/99
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/16/99
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/16/99
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	11/16/99
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	11/16/99
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/16/99
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/16/99
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/16/99
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/16/99
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	11/16/99
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	11/16/99
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/16/99
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	11/16/99
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	11/16/99
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	11/16/99
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/16/99
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	11/16/99
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/16/99
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	11/16/99
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/16/99
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	11/16/99
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	11/16/99
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/16/99
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	11/16/99
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/16/99
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	11/16/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**990929**
DATE REPORTED:	18-Nov-99
DATE RECEIVED:	16-Nov-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling 11/
PROJECT NAME:	OGTP

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

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	11/16/99
Methylene chloride	< 0.76	**ug/l**	0.76	2.4	0.5	1		8260	cps	11/16/99
n-Butylbenzene	< 0.23	**ug/l**	0.23	0.73	ns	1		8260	cps	11/16/99
n-Propylbenzene	< 0.25	**ug/l**	0.25	0.8	ns	1		8260	cps	11/16/99
Naphthalene	< 0.46	**ug/l**	0.46	1.5	8	1		8260	cps	11/16/99
o-xylene	< 0.18	**ug/l**	0.18	0.57	124	1		8260	cps	11/16/99
p-Isopropyltoluene	< 0.18	**ug/l**	0.18	0.57	ns	1		8260	cps	11/16/99
sec-Butylbenzene	< 0.3	**ug/l**	0.3	0.95	ns	1		8260	cps	11/16/99
Styrene	< 0.21	**ug/l**	0.21	0.67	10	1		8260	cps	11/16/99
tert-Butylbenzene	< 0.2	**ug/l**	0.2	0.64	ns	1		8260	cps	11/16/99
Tetrachloroethene	< 0.29	**ug/l**	0.29	0.92	0.5	1		8260	cps	11/16/99
Toluene	< 0.33	**ug/l**	0.33	1	68.6	1		8260	cps	11/16/99
trans-1,2-Dichloroethene	< 0.16	**ug/l**	0.16	0.51	20	1		8260	cps	11/16/99
trans-1,3-Dichloropropene	< 0.2	**ug/l**	0.2	0.64	0.02	1		8260	cps	11/16/99
Trichloroethene	< 0.16	**ug/l**	0.16	0.51	0.5	1		8260	cps	11/16/99
Trichlorofluoromethane	< 0.34	**ug/l**	0.34	1.1	ns	1		8260	cps	11/16/99
Vinyl chloride	< 0.21	**ug/l**	0.21	0.67	0.02	1		8260	cps	11/16/99

Approved By: _____ **Date:** 11/18/99
James Chang, Ph.D. , Lab Director

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

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

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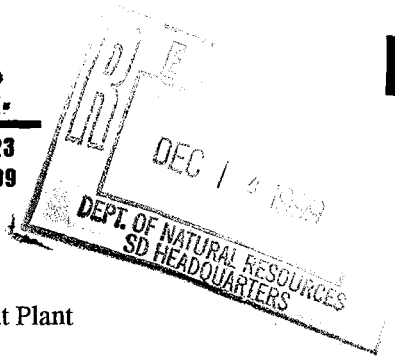

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990896**
DATE REPORTED: 11-Nov-99
DATE RECEIVED: 08-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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: **17307**				QC Prep Batch Number: 992539			*Sample analyzed within*	*1*	*Day(s) from collection*	
Client ID: **991108WA01P** Sample Description:							*Collection:*	*11/8/99*	*Time:*	*14:30*
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	11/9/99
1,1,1-Trichloroethane	222	ug/l	2.3	7.3	40	10		8260	cps	11/9/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	11/9/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	11/9/99
1,1-Dichloroethane	24	ug/l	1.5	4.8	85	10		8260	cps	11/9/99
1,1-Dichloroethene	17	ug/l	3.6	11	0.7	10		8260	cps	11/9/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	11/9/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	11/9/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	11/9/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	11/9/99
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	11/9/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	11/9/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	11/9/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	11/9/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	11/9/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	11/9/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	11/9/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	11/9/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	11/9/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	11/9/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	11/9/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	11/9/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	11/9/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	11/9/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	11/9/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	11/9/99
Acetone	< 16	ug/l	16	49	200	10		8260	cps	11/9/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	11/9/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	11/9/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	11/9/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	11/9/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	11/9/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	11/9/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	11/9/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	11/9/99
Chloroethane	15	ug/l	12	37	80	10	*J*	8260	cps	11/9/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	11/9/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	11/9/99
cis-1,2-Dichloroethene	46	ug/l	2	6.4	7	10		8260	cps	11/9/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	11/9/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990896**
DATE REPORTED: 11-Nov-99
DATE RECEIVED: 08-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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	11/9/99
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	cps	11/9/99
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	cps	11/9/99
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	cps	11/9/99
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	11/9/99
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	cps	11/9/99
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	cps	11/9/99
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	cps	11/9/99
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	cps	11/9/99
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	cps	11/9/99
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	11/9/99
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	11/9/99
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	cps	11/9/99
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	cps	11/9/99
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	cps	11/9/99
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	11/9/99
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	cps	11/9/99
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	cps	11/9/99
Tetrachloroethene	8.7	ug/l	2.9	9.2	0.5	10	*J*	8260	cps	11/9/99
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	cps	11/9/99
trans-1,2-Dichloroethene	21	ug/l	1.6	5.1	20	10		8260	cps	11/9/99
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	cps	11/9/99
Trichloroethene	538	ug/l	1.6	5.1	0.5	10		8260	cps	11/9/99
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	11/9/99
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	11/9/99

Sample Number: **17312** QC Prep Batch Number: 992539 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **991108WA07P** Sample Description: *Collection: 11/8/99 Time: 14:15*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/9/99
1,1,1-Trichloroethane	0.48	ug/l	0.23	0.73	40	1	*J*	8260	cps	11/9/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	11/9/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/9/99
1,1-Dichloroethane	0.26	ug/l	0.15	0.48	85	1	*J*	8260	cps	11/9/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	11/9/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/9/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/9/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/9/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	11/9/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/9/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/9/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	11/9/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/9/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990896**
DATE REPORTED: 11-Nov-99
DATE RECEIVED: 09-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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	11/9/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/9/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	11/9/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/9/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	11/9/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/9/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/9/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	11/9/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/9/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/9/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/9/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	11/9/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	11/9/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/9/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/9/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/9/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/9/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	11/9/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	11/9/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/9/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	11/9/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	11/9/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	11/9/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/9/99
cis-1,2-Dichloroethene	0.5	ug/l	0.2	0.64	7	1	J	8260	cps	11/9/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/9/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	11/9/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/9/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	11/9/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	11/9/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/9/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	11/9/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/9/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	11/9/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	11/9/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/9/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/9/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/9/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	11/9/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	11/9/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/9/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/9/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	11/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990896**
DATE REPORTED: 11-Nov-99
DATE RECEIVED: 09-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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	11/9/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/9/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	11/9/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	11/9/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/9/99
Trichloroethene	2.5	ug/l	0.16	0.51	0.5	1		8260	cps	11/9/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/9/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/9/99

Sample Number: **17313** QC Prep Batch Number: 992539 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **991108WA09P** Sample Description: *Collection: 11/8/99 Time: 14:00*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/9/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	11/9/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	11/9/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/9/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	11/9/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	11/9/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/9/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/9/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/9/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	11/9/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/9/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/9/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	11/9/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/9/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	11/9/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/9/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	11/9/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/9/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	11/9/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/9/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/9/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	11/9/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/9/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/9/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/9/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	11/9/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	11/9/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/9/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/9/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/9/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990896**
DATE REPORTED: 11-Nov-99
DATE RECEIVED: 09-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling 11/
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	11/9/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	11/9/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/9/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	11/9/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	11/9/99
Chloroform	1.2	ug/l	0.27	0.86	0.6	1		8260	cps	11/9/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/9/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	11/9/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/9/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	11/9/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/9/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	11/9/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	11/9/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/9/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	11/9/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/9/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	11/9/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	11/9/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/9/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/9/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/9/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	11/9/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	11/9/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/9/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/9/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	11/9/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/9/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/9/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	11/9/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	11/9/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/9/99
Trichloroethene	0.58	ug/l	0.16	0.51	0.5	1		8260	cps	11/9/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/9/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/9/99

Sample Number: **17314** QC Prep Batch Number: 992539 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 11/8/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1	8260	cps	11/9/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1	8260	cps	11/9/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1	8260	cps	11/9/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1	8260	cps	11/9/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1	8260	cps	11/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**990896**
DATE REPORTED:	11-Nov-99
DATE RECEIVED:	09-Nov-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling 11/
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	11/9/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/9/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/9/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/9/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	11/9/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/9/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/9/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	11/9/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/9/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	11/9/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/9/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	11/9/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/9/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	11/9/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/9/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/9/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	11/9/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/9/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/9/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/9/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	11/9/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	11/9/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/9/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/9/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/9/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/9/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	11/9/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	11/9/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/9/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	11/9/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	11/9/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	11/9/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/9/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	11/9/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/9/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	11/9/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/9/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	11/9/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	11/9/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/9/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	11/9/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/9/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	11/9/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**990896**
DATE REPORTED:	11-Nov-99
DATE RECEIVED:	09-Nov-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling 11/
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	11/9/99
Methylene chloride	< 0.76	**ug/l**	0.76	2.4	0.5	1		8260	cps	11/9/99
n-Butylbenzene	< 0.23	**ug/l**	0.23	0.73	ns	1		8260	cps	11/9/99
n-Propylbenzene	< 0.25	**ug/l**	0.25	0.8	ns	1		8260	cps	11/9/99
Naphthalene	< 0.46	**ug/l**	0.46	1.5	8	1		8260	cps	11/9/99
o-xylene	< 0.18	**ug/l**	0.18	0.57	124	1		8260	cps	11/9/99
p-Isopropyltoluene	< 0.18	**ug/l**	0.18	0.57	ns	1		8260	cps	11/9/99
sec-Butylbenzene	< 0.3	**ug/l**	0.3	0.95	ns	1		8260	cps	11/9/99
Styrene	< 0.21	**ug/l**	0.21	0.67	10	1		8260	cps	11/9/99
tert-Butylbenzene	< 0.2	**ug/l**	0.2	0.64	ns	1		8260	cps	11/9/99
Tetrachloroethene	< 0.29	**ug/l**	0.29	0.92	0.5	1		8260	cps	11/9/99
Toluene	< 0.33	**ug/l**	0.33	1	68.6	1		8260	cps	11/9/99
trans-1,2-Dichloroethene	< 0.16	**ug/l**	0.16	0.51	20	1		8260	cps	11/9/99
trans-1,3-Dichloropropene	< 0.2	**ug/l**	0.2	0.64	0.02	1		8260	cps	11/9/99
Trichloroethene	< 0.16	**ug/l**	0.16	0.51	0.5	1		8260	cps	11/9/99
Trichlorofluoromethane	< 0.34	**ug/l**	0.34	1.1	ns	1		8260	cps	11/9/99
Vinyl chloride	< 0.21	**ug/l**	0.21	0.67	0.02	1		8260	cps	11/9/99

Approved By: _____ **Date:** 11/12/99

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: **990896**
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 08-Nov-99
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: 17307
Client ID: **991108WA01P**
Collection: 11/8/99 Time: 14:30
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	11/18/99	992607	
Barium - ICAP	0.11	mg/l	RJ	0.002	0.006	200.7	rf	11/15/99	992577	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	11/9/99	992523	
Chromium, Total - ICAP	0.03	mg/l	J RJ	0.012	0.04	200.7	rf	11/15/99	992577	
Copper- ICAP	0.04	mg/l	RJ	0.01	0.03	200.7	rf	11/15/99	992577	
Iron - ICAP	1.9	mg/l	RJ	0.078	0.25	200.7	rf	11/15/99	992577	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	rf	11/9/99	992522	
Manganese - ICAP	0.14	mg/l	RJ	0.004	0.01	200.7	rf	11/15/99	992577	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	rf	11/19/99	992616	
Nickel - ICAP	0.04	mg/l	RJ	0.01	0.03	200.7	rf	11/15/99	992577	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	rf	11/18/99	992608	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	rf	11/15/99	992577	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	rf	11/9/99	992519	
Zinc - ICAP	0.01	mg/l	J RJ	0.01	0.03	200.7	rf	11/15/99	992577	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	12805	11/19/99	992634	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	srh	11/18/99	992610	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	srh	11/18/99	992609	
pH (water)	7	s.u.	#			150.1	rf	11/12/99	992561	

Nova Sample Number: 17308
Client ID: **991108WA09R**
Collection: 11/8/99 Time: 12:00
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	11/18/99	992607	
Barium - ICAP	0.02	mg/l	RJ	0.002	0.006	200.7	rf	11/15/99	992577	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	11/9/99	992523	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	rf	11/15/99	992577	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	rf	11/15/99	992577	
Iron - ICAP	0.12	mg/l	J RJ	0.078	0.25	200.7	rf	11/15/99	992577	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	rf	11/9/99	992522	
Manganese - ICAP	0.008	mg/l	J RJ	0.004	0.01	200.7	rf	11/15/99	992577	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	rf	11/19/99	992616	
Nickel - ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	rf	11/15/99	992577	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	rf	11/18/99	992608	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: **990896**
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 09-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	11/15/99	*992577*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	rf	11/9/99	*992519*	
Zinc - ICAP	**0.05**	**mg/l**	**RJ**	0.01	0.03	200.7	rf	11/15/99	*992577*	
Nova Sample Number: 17309										
Client ID: **991108WA02P**								Collection: 11/8/99	Time: 14:20	
								Sample Description:		
pH (water)	**8.8**	**s.u.**	**#**			150.1	rf	11/12/99	*992561*	
Nova Sample Number: 17310										
Client ID: **991108WA03P**								Collection: 11/8/99	Time: 14:21	
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	rf	11/12/99	*992561*	
Nova Sample Number: 17311										
Client ID: **991108WA05P**								Collection: 11/8/99	Time: 14:10	
								Sample Description:		
pH (water)	**9**	**s.u.**	**#**			150.1	rf	11/12/99	*992561*	
Nova Sample Number: 17313										
Client ID: **991108WA09P**								Collection: 11/8/99	Time: 14:00	
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	11/19/99	*992634*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/18/99	*992610*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/18/99	*992609*	
pH (water)	**8**	**s.u.**	**#**			150.1	rf	11/12/99	*992561*	

Approved By: _____ **Date:** 11/29/99
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: **990868**
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 01-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampli
PROJECT NAME: OGTP

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

Nova Sample Number: 17182
Client ID: **991101WA01P**
Collection: 11/1/99 Time: 14:15
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	11/2/99	992445	
Barium - ICAP	0.12	mg/l		RJ	0.002	0.006	200.7	rf	11/3/99	992472	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	11/3/99	992475	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	rf	11/3/99	992472	
Copper- ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	rf	11/3/99	992472	
Iron - ICAP	1.2	mg/l		RJ	0.078	0.25	200.7	rf	11/3/99	992472	
Lead - Furnace AA	2.3	ug/l	J	RJ	1.4	4.5	239.2	rf	11/3/99	992474	
Manganese - ICAP	0.17	mg/l		RJ	0.004	0.01	200.7	rf	11/3/99	992472	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	11/9/99	992517	
Nickel - ICAP	0.04	mg/l		RJ	0.01	0.03	200.7	rf	11/3/99	992472	
Selenium - Furnace AA	<7.8	ug/l		RJ	7.8	25	270.2	rf	11/2/99	992446	
Silver - ICAP	<0.009	mg/l		RJ	0.009	0.03	200.7	rf	11/3/99	992472	
Thallium - Furnace AA	<4.8	ug/l		RJ	4.8	15	279.2	rf	11/9/99	992519	
Zinc - ICAP	0.02	mg/l	J	RJ	0.01	0.03	200.7	rf	11/3/99	992472	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500D	80535	11/2/99	992583	
COD. Total	20	mg/l	J		7.3	23	410.4-CT	80535	11/8/99	992579	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	srh	11/9/99	992515	
Cyanide, Total	0.007	mg/l	J		0.006	0.02	335.2	srh	11/9/99	992514	
pH (water)	7.5	s.u.	#				150.1	rf	11/1/99	992451	
Solids, Total Suspended	2	mg/l			0.5	1.6	SM 2540D	rf	11/3/99	992459	

Nova Sample Number: 17183
Client ID: **991101WA09R**
Collection: 11/1/99 Time: 11:30
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		RJ	9.9	31	206.2	rf	11/2/99	992445	
Barium - ICAP	0.01	mg/l		RJ	0.002	0.006	200.7	rf	11/3/99	992472	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	11/3/99	992475	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	rf	11/3/99	992472	
Copper- ICAP	0.01	mg/l	J	RJ	0.01	0.03	200.7	rf	11/3/99	992472	
Iron - ICAP	0.09	mg/l	J	RJ	0.078	0.25	200.7	rf	11/3/99	992472	
Lead - Furnace AA	<1.4	ug/l		RJ	1.4	4.5	239.2	rf	11/3/99	992474	
Manganese - ICAP	0.004	mg/l	J	RJ	0.004	0.01	200.7	rf	11/3/99	992472	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	11/9/99	992517	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: **990868**
DATE REPORTED: 29-Nov-99
DATE RECEIVED: 01-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampli
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nickel - ICAP	**<0.01**	**mg/l**	**RJ**	0.01	0.03	200.7	rf	11/3/99	*992472*	
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	rf	11/2/99	*992446*	
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	11/3/99	*992472*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	rf	11/9/99	*992519*	
Zinc - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.01	0.03	200.7	rf	11/3/99	*992472*	
COD. Total	**<7.3**	**mg/l**		7.3	23	410.4-CT	80535	11/8/99	*992579*	
Nitrate + Nitrite Nitrogen	**0.39**	**mg/l**		0.04	0.13	353.3	pm	11/2/99	*992444*	
Nitrogen, Ammonia	**0.21**	**mg/l**	***J***	0.1	0.32	350.1	80535	11/11/99	*992580*	
Phosphorus, Total	**<0.10**	**mg/l**		0.1	0.32	365.2	80535	11/12/99	*992581*	
Solids, Total Suspended	**2**	**mg/l**		0.5	1.6	SM 2540D	rf	11/3/99	*992459*	

Nova Sample Number: 17184
Client ID: **991101WA02P**
Collection: 11/1/99 Time: 14:25
Sample Description:

pH (water)	**10**	**s.u.**	**#**			150.1	rf	11/1/99	*992451*	

Nova Sample Number: 17185
Client ID: **991101WA03P**
Collection: 11/1/99 Time: 14:30
Sample Description:

pH (water)	**11**	**s.u.**	**#**			150.1	rf	11/1/99	*992451*	

Nova Sample Number: 17186
Client ID: **991101WA05P**
Collection: 11/1/99 Time: 14:30
Sample Description:

pH (water)	**7.8**	**s.u.**	**#**			150.1	rf	11/1/99	*992451*	

Nova Sample Number: 17188
Client ID: **991101WA09P**
Collection: 11/1/99 Time: 14:55
Sample Description:

Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	80535	11/3/99	*992538*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/9/99	*992515*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	srh	11/9/99	*992514*	
pH (water)	**8.1**	**s.u.**	**#**			150.1	rf	11/1/99	*992451*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER:	**990868**
DATE REPORTED:	29-Nov-99
DATE RECEIVED:	01-Nov-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Monthly Sampli
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 12/29/99
James Chang, Ph.D. , Lab Director

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

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990868
DATE REPORTED: 05-Nov-99
DATE RECEIVED: 01-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling N
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: 17182		QC Prep Batch Number:	992488		*Sample analyzed within*	3	*Day(s) from collection.*			
Client ID: 991101WA01P	Sample Description:				*Collection:*	*11/1/99*	*Time:*	*14:15*		
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	11/4/99
1,1,1-Trichloroethane	225	ug/l	2.3	7.3	40	10		8260	cps	11/4/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	11/4/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	11/4/99
1,1-Dichloroethane	26	ug/l	1.5	4.8	85	10		8260	cps	11/4/99
1,1-Dichloroethene	18	ug/l	3.6	11	0.7	10		8260	cps	11/4/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	11/4/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	11/4/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	11/4/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	11/4/99
1,2,4-Trimethylbenzene	6.4	ug/l	2.9	9.2	ns	10	J	8260	cps	11/4/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	11/4/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	11/4/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	11/4/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	11/4/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	11/4/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	11/4/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	11/4/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	11/4/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	11/4/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	11/4/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	11/4/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	11/4/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	11/4/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	11/4/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	11/4/99
Acetone	< 16	ug/l	16	49	200	10		8260	cps	11/4/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	11/4/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	11/4/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	11/4/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	11/4/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	11/4/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	11/4/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	11/4/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	11/4/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	11/4/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	11/4/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	11/4/99
cis-1,2-Dichloroethene	54	ug/l	2	6.4	7	10		8260	cps	11/4/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	11/4/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990868
DATE REPORTED: 05-Nov-99
DATE RECEIVED: 01-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling N
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	11/4/99
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	cps	11/4/99
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	cps	11/4/99
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	cps	11/4/99
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	11/4/99
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	cps	11/4/99
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	cps	11/4/99
m&p-xylene	5.6	ug/l	3.6	11	124	10	J	8260	cps	11/4/99
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	cps	11/4/99
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	cps	11/4/99
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	11/4/99
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	11/4/99
Naphthalene	8.9	ug/l	4.6	15	8	10	J	8260	cps	11/4/99
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	cps	11/4/99
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	cps	11/4/99
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	11/4/99
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	cps	11/4/99
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	cps	11/4/99
Tetrachloroethene	6.6	ug/l	2.9	9.2	0.5	10	J	8260	cps	11/4/99
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	cps	11/4/99
trans-1,2-Dichloroethene	17	ug/l	1.6	5.1	20	10		8260	cps	11/4/99
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	cps	11/4/99
Trichloroethene	622	ug/l	1.6	5.1	0.5	10		8260	cps	11/4/99
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	11/4/99
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	11/4/99

Sample Number: 17187 QC Prep Batch Number: 992488 *Sample analyzed within 3 Day(s) from collection.*
Client ID: 991101WA07P Sample Description: *Collection: 11/1/99 Time: 14:45*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/4/99
1,1,1-Trichloroethane	0.27	ug/l	0.23	0.73	40	1	J	8260	cps	11/4/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	11/4/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/4/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	11/4/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	11/4/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/4/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/4/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/4/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	11/4/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/4/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/4/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	11/4/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/4/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990868
DATE REPORTED: 05-Nov-99
DATE RECEIVED: 01-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling N
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	11/4/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/4/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	11/4/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/4/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	11/4/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/4/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/4/99
2-Butanone (MEK)	3.3	ug/l	1.4	4.4	90	1	J	8260	cps	11/4/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/4/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/4/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/4/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	11/4/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	11/4/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/4/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/4/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/4/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/4/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	11/4/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	11/4/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/4/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	11/4/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	11/4/99
Chloroform	0.36	ug/l	0.27	0.86	0.6	1	J	8260	cps	11/4/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/4/99
cis-1,2-Dichloroethene	0.4	ug/l	0.2	0.64	7	1	J	8260	cps	11/4/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/4/99
Dibromochloromethane	0.24	ug/l	0.21	0.67	6	1	J	8260	cps	11/4/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/4/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	11/4/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	11/4/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/4/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	11/4/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/4/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	11/4/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	11/4/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/4/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/4/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/4/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	11/4/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	11/4/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/4/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/4/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	11/4/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990868
DATE REPORTED: 05-Nov-99
DATE RECEIVED: 01-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling N
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	11/4/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/4/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	11/4/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	11/4/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/4/99
Trichloroethene	1.6	ug/l	0.16	0.51	0.5	1		8260	cps	11/4/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/4/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/4/99

Sample Number: 17188 QC Prep Batch Number: 992488 *Sample analyzed within 3 Day(s) from collection.*
Client ID: 991101WA09P Sample Description: *Collection: 11/1/99 Time: 14:55*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/4/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	11/4/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	11/4/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/4/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	11/4/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	11/4/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/4/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/4/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/4/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	11/4/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/4/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/4/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	11/4/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/4/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	11/4/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/4/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	11/4/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/4/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	11/4/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/4/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/4/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	11/4/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/4/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/4/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/4/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	11/4/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	11/4/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/4/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/4/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/4/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/4/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990868
DATE REPORTED: 05-Nov-99
DATE RECEIVED: 01-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling N
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	11/4/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	11/4/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/4/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	11/4/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	11/4/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	11/4/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/4/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	11/4/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/4/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	11/4/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/4/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	11/4/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	11/4/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/4/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	11/4/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/4/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	11/4/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	11/4/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/4/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/4/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/4/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	11/4/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	11/4/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/4/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/4/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	11/4/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/4/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/4/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	11/4/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	11/4/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/4/99
Trichloroethene	0.38	ug/l	0.16	0.51	0.5	1	J	8260	cps	11/4/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/4/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/4/99

Sample Number: 17189 QC Prep Batch Number: 992488 *Sample analyzed within 3 Day(s) from collection.*
Client ID: Trip Blank Sample Description: *Collection: 11/1/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/4/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	11/4/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	11/4/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/4/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	11/4/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990868
DATE REPORTED: 05-Nov-99
DATE RECEIVED: 01-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling N
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	11/4/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	11/4/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/4/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	11/4/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	11/4/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/4/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	11/4/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	11/4/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/4/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	11/4/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/4/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	11/4/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	11/4/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	11/4/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	11/4/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	11/4/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	11/4/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	11/4/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	11/4/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/4/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	11/4/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	11/4/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	11/4/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	11/4/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/4/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	11/4/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	11/4/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	11/4/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	11/4/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	11/4/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	11/4/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	11/4/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	11/4/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	11/4/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	11/4/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	11/4/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	11/4/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	11/4/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	11/4/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	11/4/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	11/4/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	11/4/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	11/4/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990868
DATE REPORTED: 05-Nov-99
DATE RECEIVED: 01-Nov-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling N
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	11/4/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	11/4/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	11/4/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	11/4/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	11/4/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	11/4/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	11/4/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	11/4/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	11/4/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	11/4/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	11/4/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	11/4/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	11/4/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	11/4/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	11/4/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	11/4/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	11/4/99

Approved By: _____ **Date:** 11/30/99
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.