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July 15, 2000

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

Re: Monthly Monitoring Report for the Oconomowoc Groundwater Treatment Facility

Dear Mr. Kozol:

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

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

Sincerely,

Dean Groleau

Dean Groleau, Plant Superintendent
APL, Inc.

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

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

MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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

July 15, 2000

1.0 Introduction

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

Laboratory results of effluent sampling can be found in the Discharge Monitoring Report Form, sent under separate cover. The effluent sampling was conducted by Dean Groleau, Dave Dugan, and John Rezarch 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.

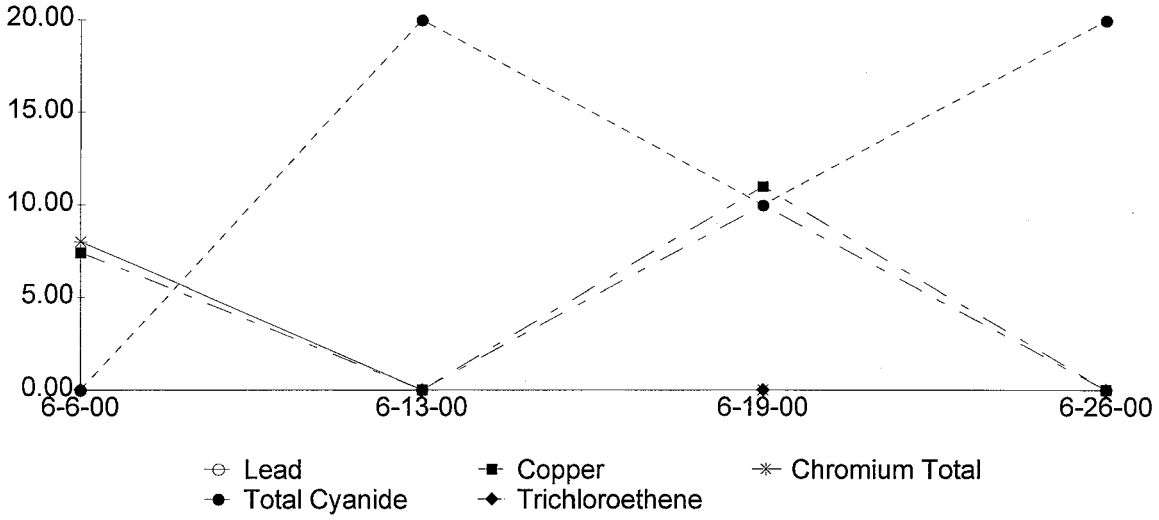
1.3 Effluent Monitoring

Weekly monitoring was conducted on June 6, 13, 19, and 26. The weekly samples for June were tested by APL, Inc. The monthly samples that were taken on June 6, were split-sampled and sent to En Chem, Inc. located in Madison, WI. This was requested by the USACE and will be conducted quarterly for their QA requirements. The results of the effluent monitoring tests for the samples taken in June showed no exceedences of the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



1.5 Extraction Well Monitoring

A sixth round of Extraction Well sampling was conducted on June 1. The Extraction Well sampling is conducted on a quarterly basis. The results of the Extraction Wells' analyses are enclosed with this report.

1.6 Monitoring Well Sampling

Another round of Monitoring Well sampling was conducted on June 1,6, and 7. The Monitoring Well sampling is conducted on a quarterly basis. The results of the Monitoring Wells' analyses are enclosed with this report.

1.7 Residential Well Monitoring

Another round of Residential Well sampling was conducted on June 15. The Residential Well sampling is conducted on a yearly basis by the WDNR. The results of the Residential Wells' analyses are enclosed with this report.

2.0 Plant Permit Exceedences

Paul Kozol, of the WDNR, was notified about the exceedence of Lead on the June 6 sampling. The results of the June 6 sampling of Lead was 1.7 ug/l and the permit limit for Lead is 1.5 ug/l. Mr. Kozol authorized the treatment plant to continue to operate based on re-testing the sample to verify the actual exceedence number. The sample was retested and resulted in a "Less Than The Level of Detection." The sample had been "split sampled" with En Chem, Inc. of Madison and they also had a "Less Than The Level of Detection" result.

During the June 13 sampling, there was also an exceedence on Lead. The permit limit for Lead is 1.5 ug/l and the result of the June 13 sampling was 23 ug/l. Mr. Kozol was notified and authorized the Treatment Plant to remain in operation pending the result of the June 19 sample and the result of re-running the June 13 sample. Mr. Kozol stated that this may be a result of the high water table moving the contaminants closer to the Extraction Wells. After APL, Inc. rechecked their data, it was discovered that the lab technician had made an error while in-putting the data into the report. The real result for the June 13 Lead was "Less Than the Level of Detection." WDNR and USACE were notified of the correction.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down three times for a total of 12 hours in June, 2000. The shut downs were due to a Low EQT-100 Level, to Clean RMT-301 & FT-311, and from a Possible Brown Out. Table 1 shows the summary of the plant down times for the month of June, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
6-1-00	7	Shut Down Due to a Low EQT-100 Level
6-9-00	0.75	Shut Down Due to Clean RMT-301 & FT-311
6-12-00	4.25	Shut Down Due to Possible Brown Out
TOTAL	**12**	

3.1 Shut Down for a Low EQT-100 Level

On June 1, at the beginning of the work day, it was discovered that the treatment plant had shut down automatically because of a low Equalization Tank (EQT-100) level due to the operator leaving only one Extraction Well (EW's) operating overnight. The treatment plant shut down at 8:45 P.M. on May 31 and was discovered at 5:25 A.M. on June 1. All EW's were activated, the Effluent Holding Tank (EHT-700) was dumped into the Floor Trench, and the Filter Press was activated to speed up the restarting of the treatment plant. The EQT-100 level has to be > 55% to reactivate the treatment plant in the automatic mode. The treatment plant restarted at 7:00 A.M. May down time was 3.25 hours. June down time was 7 hours. Total down time was 10.25 hours. APL, Inc., WDNR, and USACE were notified of the treatment plant shut down and start up.

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

On June 9, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-120). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer was cleaned in RMT-301 and the walls, floor, and mixer were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-120 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 0.75 hours. APL Inc., WDNR, and USACE were notified.

3.3 Shut Down Due To Possible Brown Out

On June 12, the treatment plant shut down at 12:30 A.M. and restarted at 4:20 A.M. When the operator arrived for the work day, he discovered that there were 45 faults on the Process P.C. The Air Compressor (AC-950), the Cyanide Reaction Tank Mixer (CTM-202), the Neutralization Tank Mixer (RMT-502), the Metals Package Vent Fan (F-204), the office copier, and the Gas-Fired Unit Heater located near the Carbon Filters (GUH-974) were found shut off. No flow could go beyond the Tertiary Filtration System (TF-600) due to no air pressure. The

treatment system was shut down for 20 minutes to trouble-shoot the AC-950 problem. It was discovered that several fuses were blown and they were replaced with spare fuses kept on the shelf. After the air pressure stabilized, the treatment plant was restarted and APL, Inc., WDNR, and USACE were notified of the treatment plant shut down and start up. After a while it was discovered that AC-950A had stopped running. Cochrane Compressor Company was scheduled to come in the next day for routine preventative maintenance, so it was left for them to pursue. Also discovered, was the Clarifier's (C-400) Thickener Drive (TD-401) would not respond to it's controller and was constantly running. On June 14, it was discovered that the Floor Trench Sump Pump (SP-960A) was not alternating with SP-960B. It did function in the Manual mode. The office copier was re-programmed and was functioning, again. RTM-502 was tested and had power at the motor. The new motor for CTM-212 was on back-order and had just arrived. It was the same model as RTM-502, so it was wired in it's place and operated normally. The old motor was removed and the new motor was installed on RTM-502 and activated. After 1 hour, it was discovered that RTM-502 was not working, again. F-204 and CTM-202 were tested for power at their motors but none was found. James Chang, APL, Inc., was scheduled to inspect the motors on the next day. Thermogas arrived to work on the other GUH's and was told about GUH-974 not operating. Thermogas found that the gas flow module was burned up and ordered a replacement.

On June 13, Cochrane Compressor Company inspected AC-950A/B and performed their quarterly maintenance. All that he could find was another blown fuse. He replaced it and AC-950A/B functioned normally, again. James Chang inspected the mixers in the Metals Package and discovered that 3 relays were burned out and RTM-502 only had a burned out indicator bulb. RTM-502 was put back into operation and the indicator bulb was replaced. Replacement quotes were obtained and submitted to the USACE. The USACE ordered the replacement relays plus more spare fuses. Thermogas received and installed the gas flow module and GUH-974 functioned normally, again.

On June 14, the replacement relays were received and installed. TD-401, F-204, and CTM-202 were test run and functioned normally, again. The old motor from RTM-502 was wired in to CTM-212's place and tested. It would not function and kept tripping it's starter. A replacement quote was submitted to the USACE and a replacement motor and a spare was ordered. On June 22, the motors were received and dropped off at a local machine shop to be drilled out to have the drive gear attached. The machinist returned them on June 26. On June 27, one was installed on CTM-212 and one was placed on the shelf for a spare.

4.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on June 6, 13, 19, and 26 of 2000. Another round of Extraction, Monitoring, and Residential Wells' sampling was conducted in June 2000. Split-Sampling and analysis was conducted on the June 6 samples. The USACE exercised their option to split-sample the effluent for their QA analysis by an outside laboratory. This will be incorporated on a quarterly basis. The laboratory results of these samples showed no exceedences of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit. See Chart 1, Section 1.4 for *Important Indicator Parameters.*

During the month of June, 2000, the plant was shut down three times for a total of 12 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 July 15, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	6-6-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.5	11	N/A	N/A	7.8	Monitor	
TSS	1	NT	NT	NT	1/ND	Monitor	mg/l
Arsenic	ND	ND	ND	NT	ND/.81	5	
Barium	100	10	10	NT	10/15	400	
Cadmium	ND	ND	ND	NT	ND/ND	0.5	
Cadmium Total Recoverable	ND	ND	ND	NT	ND/ND	Monitor	
Chromium +6	ND	ND	ND	NT	ND/ND	Monitor	
Chromium Total	8	ND	ND	NT	8/1.7	10	
Copper	20	ND	ND	NT	ND/7.4	Monitor	
Iron	990	90	ND	NT	120/ND	Monitor	
Lead	ND	ND	ND	NT	ND/ND	1.5	
Manganese	150	ND	ND	NT	ND/1.1	Monitor	
Mercury	ND	ND	ND	NT	ND/ND	0.2	
Nickel	30	ND	ND	NT	ND/11	20	
Selenium	4.6	ND	12	NT	ND/1.2	10	
Silver	ND	ND	ND	NT	ND/ND	10	
Thallium	ND	2.9	5.3	NT	ND/0.1	0.4	
Zinc	ND	ND	30	NT	ND/ND	Monitor	
Cyanide Total	8	NT	NT	NT	ND/ND	40	
Cyanide Free	ND	NT	NT	NT	ND/ND	Monitor	
1,1-Dichloroethane	26	NT	ND	ND	ND/ND	85	
1,2-Dichloroethane	ND	NT	ND	ND	ND/ND	0.5	
1,1-Dichloroethene	12	NT	ND	ND	ND/ND	0.7	
1,2-Dichloroethene Cis	44	NT	ND	ND	ND/ND	7	
1,2-Dichloroethene Trans	13	NT	ND	ND	ND/ND	20	
Ethylbenzene	ND	NT	ND	ND	ND/ND	140	
Methylene Chloride	ND	NT	ND	ND	ND/ND	0.5	
Tetrachloroethene	6.4	NT	ND	ND	ND/ND	0.5	
Toluene	ND	NT	ND	ND	ND/ND	68	
1,1,1-Trichloroethane	164	NT	ND	ND	ND/ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND/ND	0.5	
TCE	542	NT	0.99	ND	ND/ND	0.5	
Vinyl Chloride	ND	NT	ND	ND	ND/ND	0.2	
Xylene Total	ND	NT	ND	ND	ND/ND	124	
COD	18	NT	NT	NT	9.1/ND	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	ND/ND	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.53/2	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	ND/.068	Monitor	mg/l

QUARTERLY AND MONTHLY SAMPLING.
SECOND READING IS FROM THE USACE QA SAMPLING COMPARISON ON EFFLUENT WITH EN CHEM OF MADISON.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	6-13-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.3	11.1	N/A	N/A	7.7	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	6.9	NT	NT	NT	ND	5	
Barium	100	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/ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	7	NT	NT	NT	ND	Monitor	
Iron	910	NT	NT	NT	ND	Monitor	
Lead	2.4	NT	NT	NT	ND	1.5	
Manganese	150	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	30	NT	NT	NT	ND	20	
Selenium	8.4	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	ND	Monitor	
Cyanide	NT	NT	NT	NT	20/20	40	
Cyanide Free	ND	NT	NT	NT	ND/ND	Monitor	
1,1-Dichloroethane	35	NT	ND	ND	ND/ND	85	
1,2-Dichloroethane	ND	NT	ND	ND	ND/ND	0.5	
1,1-Dichloroethene	17	NT	ND	ND	ND/ND	0.7	
1,2-Dichloroethene Cis	57	NT	ND	ND	ND/ND	7	
1,2-Dichloroethene Trans	19	NT	ND	ND	ND/ND	20	
Ethylbenzene	ND	NT	ND	ND	ND/ND	140	
Methylene Chloride	ND	NT	ND	ND	ND/ND	0.5	
Tetrachloroethene	6.1	NT	ND	ND	ND/ND	0.5	
Toluene	ND	NT	ND	ND	ND/ND	68	
1,1,1-Trichloroethane	191	NT	ND	ND	ND/ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND/ND	0.5	
TCE	539	NT	ND	ND	ND/ND	0.5	
Vinyl Chloride	ND	NT	ND	ND	ND/ND	0.2	
Xylene Total	ND	NT	ND	ND	ND/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

APL, INC. QA/QC SAMPLING COMPARISON ON EFFLUENT FOR CONTRACT REQUIREMENT.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	6-19-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11.1	N/A	N/A	7.7	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	6.9	NT	NT	NT	ND	5	
Barium	100	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	20	NT	NT	NT	ND	Monitor	
Iron	1100	NT	NT	NT	ND	Monitor	
Lead	2.2	NT	NT	NT	ND	1.5	
Manganese	160	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	30	NT	NT	NT	ND	20	
Selenium	6.9	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	20	NT	NT	NT	20	Monitor	
Cyanide	20	NT	NT	NT	10	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	33	NT	ND	ND	ND	85	
1,2-Dichloroethane	ND	NT	ND	ND	ND	0.5	
1,1-Dichloroethene	16	NT	ND	ND	ND	0.7	
1,2-Dichloroethene Cis	54	NT	0.29	ND	ND	7	
1,2-Dichloroethene Trans	18	NT	ND	ND	ND	20	
Ethylbenzene	ND	NT	ND	ND	ND	140	
Methylene Chloride	ND	NT	ND	ND	ND	0.5	
Tetrachloroethene	6.4	NT	ND	ND	ND	0.5	
Toluene	ND	NT	ND	ND	ND	68	
1,1,1-Trichloroethane	156	NT	ND	ND	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND	0.5	
TCE	539	NT	0.74	ND	ND	0.5	
Vinyl Chloride	ND	NT	ND	ND	ND	0.2	
Xylene Total	ND	NT	ND	ND	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:	6-26-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	80	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	1100	NT	NT	NT	110	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	130	NT	NT	NT	ND	Monitor	
Mercury	0.3	NT	NT	NT	ND	0.2	
Nickel	30	NT	NT	NT	10	20	
Selenium	15	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	20	Monitor	
Cyanide	20	NT	NT	NT	20	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	34	NT	ND	ND	ND	85	
1,2-Dichloroethane	ND	NT	ND	ND	ND	0.5	
1,1-Dichloroethene	14	NT	ND	ND	ND	0.7	
1,2-Dichloroethene Cis	52	NT	ND	ND	ND	7	
1,2-Dichloroethene Trans	17	NT	ND	ND	ND	20	
Ethylbenzene	ND	NT	ND	ND	ND	140	
Methylene Chloride	ND	NT	ND	ND	ND	0.5	
Tetrachloroethene	6	NT	ND	ND	ND	0.5	
Toluene	ND	NT	ND	ND	ND	68	
1,1,1-Trichloroethane	206	NT	ND	ND	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND	0.5	
TCE	585	NT	ND	ND	ND	0.5	
Vinyl Chloride	ND	NT	ND	ND	ND	0.2	
Xylene Total	ND	NT	ND	ND	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

EXTRACTION WELLS					Date:	(ug/l) June 2000
Parameter	EW-1	EW-2	EW-3	EW-4	EW-5	WW-1
pH	7.4	7.6	7.6	7.4	7.8	8
Arsenic	13	16	ND	16	ND	ND
Barium	160	510	210	180	190	400
Cadmium	ND	ND	ND	ND	ND	ND
Cadmium Total Recoverable	ND	ND	ND	ND	ND	ND
Chromium +6	ND	ND	ND	ND	ND	ND
Chromium Total	ND	80	ND	ND	ND	ND
Copper	50	80	6	70	ND	930
Iron	1200	163000	1800	290	1800	4900
Lead	30	19	7.7	18	ND	5.7
Manganese	240	230	70	350	80	ND
Mercury	ND	0.2	ND	ND	ND	ND
Nickel	460	50	ND	100	ND	ND
Selenium	12	16	ND	8.9	ND	ND
Silver	ND	ND	ND	ND	ND	ND
Thallium	3.9	ND	3.4	1.9	ND	4.8
Zinc	170	70	40	160	20	50
Cyanide	50	7	ND	40	30	ND
Cyanide Free	ND	60	ND	ND	ND	ND
1,1-Dichloroethane	ND	3.8	11	27	74	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	0.52	3.3	45	12	ND
1,2-Dichloroethene Cis	0.71	16	23	82	79	ND
1,2-Dichloroethene Trans	ND	5.2	1.4	55	7.2	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	29	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	3.7	6.9	545	264	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
TCE	6.3	36	109	1340	897	ND
Vinyl Chloride	ND	ND	0.42	ND	ND	ND
Chlorobenzene	ND	0.26	ND	ND	6.5	ND
Chloroethane	ND	ND	ND	35	ND	ND
Methyl-T-Butly Ether	ND	0.39	ND	ND	ND	ND
Xylene Total	ND	ND	ND	ND	ND	ND

OCONOMOWOC GROUNDWATER TREATMENT PLANT

RESIDENTIAL WELLS					Date:	(ug/l) June 2000
Parameter	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6
Arsenic	ND	ND	6.9	ND	8.3	6.9
Barium	280	50	70	80	70	70
Cadmium	ND	ND	ND	ND	ND	ND
Cadmium Total Recoverable	ND	ND	ND	ND	ND	ND
Chromium Total	ND	ND	ND	ND	ND	ND
Copper	20	ND	ND	ND	ND	10
Iron	410	750	3500	1600	1000	490
Lead	ND	2.5	4.2	ND	ND	1.8
Manganese	20	8	40	40	30	20
Mercury	ND	ND	ND	ND	ND	ND
Nickel	ND	ND	ND	ND	ND	ND
Selenium	14	9.1	ND	6.8	ND	8
Silver	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND
Zinc	30	70	ND	ND	200	20
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene Cis	ND	ND	0.93	0.81	0.91	0.97
1,2-Dichloroethene Trans	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
TCE	ND	ND	0.37	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
Methyl-t-butyl Ether	ND	ND	0.77	1.1	0.78	0.77
Chloroform	ND	ND	ND	ND	ND	2.1
Xylene Total	ND	ND	ND	ND	ND	ND

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL				Date:	(ug/l) June 2000	
Parameter	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP	
pH	6.03	7.19	DRY	6.56	7.2	COVERED	
Conductivity	1191	479	NT	595	460	NT	uMHOS/CM
Arsenic	12	NT	NT	16	NT	NT	
Barium	40	NT	NT	140	NT	NT	
Cadmium	ND	NT	NT	ND	NT	NT	
Cadmium Total Recoverable	ND	NT	NT	ND	NT	NT	
Chromium +6	ND	NT	NT	8	NT	NT	
Chromium Total	ND	NT	NT	ND	NT	NT	
Copper	ND	NT	NT	ND	NT	NT	
Iron	890	NT	NT	4000	NT	NT	
Lead	ND	NT	NT	ND	NT	NT	
Manganese	20	NT	NT	90	NT	NT	
Mercury	ND	NT	NT	ND	NT	NT	
Nickel	ND	NT	NT	ND	NT	NT	
Selenium	18	NT	NT	17	NT	NT	
Silver	ND	NT	NT	ND	NT	NT	
Thallium	ND	NT	NT	ND	NT	NT	
Zinc	ND	NT	NT	30	NT	NT	
Cyanide	ND	NT	NT	ND	NT	NT	
Cyanide Free	ND	NT	NT	ND	NT	NT	
1,1-Dichloroethane	ND	NT	NT	34	NT	NT	
1,2-Dichloroethane	ND	NT	NT	ND	NT	NT	
1,1-Dichloroethene	ND	NT	NT	4	NT	NT	
1,2-Dichloroethene Cis	0.95	NT	NT	92	NT	NT	
1,2-Dichloroethene Trans	ND	NT	NT	5.1	NT	NT	
Ethylbenzene	ND	NT	NT	ND	NT	NT	
Methylene Chloride	ND	NT	NT	ND	NT	NT	
Tetrachloroethene	ND	NT	NT	ND	NT	NT	
Toluene	ND	NT	NT	ND	NT	NT	
1,1,1-Trichloroethane	ND	NT	NT	ND	NT	NT	
1,1,2-Trichloroethane	ND	NT	NT	ND	NT	NT	
TCE	0.42	NT	NT	541	NT	NT	
Vinyl Chloride	ND	NT	NT	ND	NT	NT	
Xylene Total	ND	NT	NT	ND	NT	NT	
Temperature (C)	11.6	13.3	NT	9.2	12.8	NT	

MW05P, MW06P, & MW03SP Were Too Dry To Sample.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) June 2000	
Parameter	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP	
pH	7.14	7.58	7.48	6.81	7.27	8.54	
Conductivity	960	1083	624	1151	690	1888	uMHOS/CM
Arsenic	ND	ND	ND	ND	ND	ND	
Barium	370	50	30	40	100	30	
Cadmium	ND	ND	ND	ND	ND	2.8	
Cadmium Total Recoverable	ND	ND	ND	ND	ND	1.8	
Chromium +6	20	ND	10	ND	ND	ND	
Chromium Total	210	10	150	ND	ND	20	
Copper	20	70	20	60	ND	40	
Iron	3500	1400	2.4	250	ND	17000	
Lead	35	1.7	3.4	ND	2.2	3.3	
Manganese	1300	40	110	70	230	430	
Mercury	ND	ND	ND	0.3	ND	ND	
Nickel	470	30	100	30	ND	30	
Selenium	ND	20	14	ND	ND	15	
Silver	ND	ND	ND	ND	ND	5	
Thallium	ND	1.9	1.8	2.1	3.3	ND	
Zinc	40	20	10	30	40	30	
Cyanide	ND	ND	ND	ND	ND	ND	
Cyanide Free	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	ND	545	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	ND	22	ND	ND	ND	ND	
1,2-Dichloroethene Cis	ND	13	ND	ND	4.6	273	
1,2-Dichloroethene Trans	ND	4.1	ND	ND	0.66	4.4	
Ethylbenzene	ND	ND	ND	ND	ND	ND	
Methylene Chloride	ND	ND	0.44	ND	0.41	ND	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	
Toluene	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	67	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	
TCE	ND	14	ND	ND	35	ND	
Vinyl Chloride	ND	ND	ND	ND	ND	68	
Xylene Total	ND	ND	ND	ND	ND	ND	
Temperature (C)	11.3	12.6	11.2	14.5	11.3	12.6	

MONITOR WELL DEPTHS

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

MONITOR WELL DEPTHS

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

FLOW FROM EXTRACTION WELLS

YEAR: 2000

MONTH: June DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	8,642,862.00	28,412.00	0.028	SHUT DOWN
2	8,671,274.00	31,867.00	0.032	
3	8,703,141.00	24,523.00	0.025	
4	8,727,664.00	43,264.00	0.043	
5	8,770,928.00	31,604.00	0.032	
6	8,802,532.00	31,708.00	0.032	
7	8,834,240.00	31,251.00	0.031	
8	8,865,491.00	29,073.00	0.029	
9	8,894,564.00	28,205.00	0.028	
10	8,922,769.00	27,779.00	0.028	
11	8,950,548.00	26,399.00	0.026	
12	8,976,947.00	32,209.00	0.032	SHUT DOWN
13	9,009,156.00	30,307.00	0.030	
14	9,039,463.00	28,754.00	0.029	
15	9,068,217.00	18,060.00	0.018	
16	9,086,277.00	29,248.00	0.029	
17	9,115,525.00	35,195.00	0.035	
18	9,150,720.00	31,746.00	0.032	
19	9,182,466.00	27,892.00	0.028	
20	9,210,358.00	27,791.00	0.028	
21	9,238,149.00	27,754.00	0.028	
22	9,265,903.00	24,004.00	0.024	
23	9,289,907.00	23,792.00	0.024	
24	9,313,699.00	27,645.00	0.028	
25	9,341,344.00	29,211.00	0.029	
26	9,370,555.00	22,697.00	0.023	
27	9,393,252.00	30,266.00	0.030	
28	9,423,518.00	27,441.00	0.027	
29	9,450,959.00	20,757.00	0.021	
30	9,471,716.00	23,758.00	0.024	
July 01	9,495,474.00			
		TOTAL	0.853	
		AVERAGE	0.028	

FLOW FROM EQT-100

YEAR: 2000

MONTH: June DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,742,862.00	80,417.00	0.080	SHUT DOWN
2	2,823,279.00	40,336.00	0.040	
3	2,863,615.00	31,148.00	0.031	
4	2,894,763.00	55,504.00	0.056	
5	2,950,267.00	41,618.00	0.042	
6	2,991,885.00	42,669.00	0.043	
7	3,034,554.00	42,049.00	0.042	
8	3,076,603.00	35,593.00	0.036	
9	3,112,196.00	35,946.00	0.036	SHUT DOWN
10	3,148,142.00	35,530.00	0.036	
11	3,183,672.00	33,620.00	0.034	
12	3,217,292.00	42,946.00	0.043	SHUT DOWN
13	3,260,238.00	39,314.00	0.039	
14	3,299,552.00	37,864.00	0.038	
15	3,337,416.00	36,859.00	0.037	
16	3,374,275.00	25,411.00	0.025	
17	3,399,686.00	45,860.00	0.046	
18	3,445,546.00	41,283.00	0.041	
19	3,486,829.00	36,768.00	0.037	
20	3,523,597.00	37,769.00	0.038	
21	3,561,366.00	37,233.00	0.037	
22	3,598,599.00	32,172.00	0.032	
23	3,630,771.00	31,949.00	0.032	
24	3,662,720.00	36,852.00	0.037	
25	3,699,572.00	39,073.00	0.039	
26	3,738,645.00	30,159.00	0.030	
27	3,768,804.00	41,571.00	0.042	
28	3,810,375.00	38,216.00	0.038	
29	3,848,591.00	29,238.00	0.029	
30	3,877,829.00	33,021.00	0.033	
July 01	3,910,850.00			
		TOTAL	1.169	
		AVERAGE	0.039	

EFFLUENT FLOW FROM PLANT

YEAR: 2000

MONTH: June DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	4,490,709.00	14494.00	28,988.00	0.029	SHUT DOWN
2	4,505,203.00	17150.00	34,300.00	0.034	
3	4,522,353.00	13248.00	26,496.00	0.026	
4	4,535,601.00	22368.00	44,736.00	0.045	
5	4,557,969.00	15491.00	30,982.00	0.031	
6	4,573,460.00	17975.00	35,950.00	0.036	
7	4,591,435.00	15365.00	30,730.00	0.031	
8	4,606,800.00	14645.00	29,290.00	0.029	
9	4,621,445.00	14062.00	28,124.00	0.028	SHUT DOWN
10	4,635,507.00	14175.00	28350.00	0.028	
11	4,649,682.00	13470.00	26940.00	0.027	
12	4,663,152.00	15640.00	31280.00	0.031	SHUT DOWN
13	4,678,792.00	14935.00	29870.00	0.030	
14	4,693,727.00	14816.00	29632.00	0.030	
15	4,708,543.00	14352.00	28704.00	0.029	
16	4,722,895.00	10129.00	20258.00	0.020	
17	4,733,024.00	16992.00	33984.00	0.034	
18	4,750,016.00	15686.00	31372.00	0.031	
19	4,765,702.00	13927.00	27854.00	0.028	
20	4,779,629.00	14486.00	28972.00	0.029	
21	4,794,115.00	14137.00	28274.00	0.028	
22	4,808,252.00	12859.00	25718.00	0.026	
23	4,821,111.00	11998.00	23996.00	0.024	
24	4,833,109.00	14807.00	29614.00	0.030	
25	4,847,916.00	13663.00	27326.00	0.027	
26	4,861,579.00	13337.00	26674.00	0.027	
27	4,874,916.00	13591.00	27182.00	0.027	
28	4,888,507.00	14354.00	28708.00	0.029	
29	4,902,861.00	10750.00	21500.00	0.022	
30	4,913,611.00	12,599.00	25,198.00	0.025	
July 01	4,926,210.00				
			TOTAL	0.871	
			AVERAGE	0.029	

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Sample Number: **19799** QC Prep Batch Number: 994310 *Sample analyzed within 5 Day(s) from collection.*
Client ID: **000601WW-1P** Sample Description: *Collection: 6/1/2000 Time: 09:45*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/6/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/6/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/6/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/6/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/6/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/6/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/6/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/6/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/6/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/6/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/6/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/6/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/6/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/6/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/6/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/6/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/6/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/6/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/6/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/6/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/6/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/6/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/6/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/6/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/6/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/6/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/6/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/6/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/6/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/6/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/6/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/6/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/6/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	6/6/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/6/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	6/6/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	6/6/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/6/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	6/6/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	6/6/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	6/6/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/6/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/6/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/6/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	6/6/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	6/6/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	6/6/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/6/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/6/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	6/6/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/6/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/6/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/6/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/6/2000

Sample Number: 19800 QC Prep Batch Number: 994310 *Sample analyzed within 5 Day(s) from collection.*
Client ID: 000601EW-1P Sample Description: *Collection: 6/1/2000 Time: 10:10*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/6/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	6/6/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/6/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/6/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	6/6/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/6/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/6/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/6/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/6/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	6/6/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/6/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	6/6/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/6/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/6/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/6/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/6/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/6/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/6/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/6/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/6/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/6/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/6/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/6/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/6/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/6/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/6/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/6/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/6/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/6/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/6/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/6/2000
cis-1,2-Dichloroethene	0.71	ug/l	0.27	0.86	7	1	J	8260	cps	6/6/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/6/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/6/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/6/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/6/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/6/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/6/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/6/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/6/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/6/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/6/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/6/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/6/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/6/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/6/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/6/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/6/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/6/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/6/2000
Trichloroethene	6.3	ug/l	0.34	1.1	0.5	1		8260	cps	6/6/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/6/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/6/2000

Sample Number: **19801** QC Prep Batch Number: 994310 *Sample analyzed within 5 Day(s) from collection.*
Client ID: **000601EW-2P** Sample Description: *Collection: 6/1/2000 Time: 10:50*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/6/2000
1,1,1-Trichloroethane	3.7	ug/l	0.31	0.99	40	1		8260	cps	6/6/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/6/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/6/2000
1,1-Dichloroethane	3.8	ug/l	0.32	1	85	1		8260	cps	6/6/2000
1,1-Dichloroethene	0.52	ug/l	0.34	1.1	0.7	1	J	8260	cps	6/6/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/6/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/6/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/6/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/6/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/6/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/6/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/6/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/6/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/6/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/6/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/6/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/6/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/6/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/6/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/6/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/6/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/6/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/6/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/6/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/6/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/6/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Chlorobenzene	0.26	ug/l	0.26	0.83	20	1		8260	cps	6/6/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/6/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/6/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/6/2000
cis-1,2-Dichloroethene	16	ug/l	0.27	0.86	7	1		8260	cps	6/6/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/6/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/6/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/6/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/6/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/6/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/6/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/6/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/6/2000
Methyl-t-butyl ether	0.39	ug/l	0.39	1.2	12	1		8260	cps	6/6/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/6/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/6/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/6/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/6/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/6/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/6/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/6/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/6/2000
trans-1,2-Dichloroethene	5.3	ug/l	0.25	0.8	20	1		8260	cps	6/6/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/6/2000
Trichloroethene	36	ug/l	0.34	1.1	0.5	1		8260	cps	6/6/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/6/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/6/2000

Sample Number: **19802** QC Prep Batch Number: 994310 *Sample analyzed within 5 Day(s) from collection.*
Client ID: **000601EW-3P** Sample Description: *Collection: 6/1/2000 Time: 10:20*

1,1,1,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	ns	2		8260	cps	6/6/2000
1,1,1-Trichloroethane	6.9	ug/l	0.62	2	40	2		8260	cps	6/6/2000
1,1,2,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	0.02	2		8260	cps	6/6/2000
1,1,2-Trichloroethane	< 0.88	ug/l	0.88	2.8	0.5	2		8260	cps	6/6/2000
1,1-Dichloroethane	11	ug/l	0.64	2	85	2		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	3.3	ug/l	0.68	2.2	0.7	2		8260	cps	6/6/2000
1,1-Dichloropropene	< 0.86	ug/l	0.86	2.7	ns	2		8260	cps	6/6/2000
1,2,3-Trichlorobenzene	< 1	ug/l	1	3.2	ns	2		8260	cps	6/6/2000
1,2,3-Trichloropropane	< 1	ug/l	1	3.2	ns	2		8260	cps	6/6/2000
1,2,4-Trichlorobenzene	< 0.94	ug/l	0.94	3	14	2		8260	cps	6/6/2000
1,2,4-Trimethylbenzene	< 0.6	ug/l	0.6	1.9	ns	2		8260	cps	6/6/2000
1,2-Dibromoethane	< 0.92	ug/l	0.92	2.9	0.005	2		8260	cps	6/6/2000
1,2-Dichlorobenzene	< 0.68	ug/l	0.68	2.2	60	2		8260	cps	6/6/2000
1,2-Dichloroethane	< 0.7	ug/l	0.7	2.2	0.5	2		8260	cps	6/6/2000
1,2-Dichloropropane	< 0.64	ug/l	0.64	2	0.5	2		8260	cps	6/6/2000
1,3,5-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	ns	2		8260	cps	6/6/2000
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.7	125	2		8260	cps	6/6/2000
1,3-Dichloropropane	< 0.78	ug/l	0.78	2.5	ns	2		8260	cps	6/6/2000
1,4-Dichlorobenzene	< 0.72	ug/l	0.72	2.3	15	2		8260	cps	6/6/2000
12Dibromo-3-chloropropan	< 0.66	ug/l	0.66	2.1	0.02	2		8260	cps	6/6/2000
2,2-Dichloropropane	< 0.54	ug/l	0.54	1.7	ns	2		8260	cps	6/6/2000
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	90	2		8260	cps	6/6/2000
2-Chloroethyl Vinyl Ether	< 1.4	ug/l	1.4	4.5	ns	2		8260	cps	6/6/2000
2-Chlorotoluene	< 0.6	ug/l	0.6	1.9	ns	2		8260	cps	6/6/2000
4-Chlorotoluene	< 0.52	ug/l	0.52	1.7	ns	2		8260	cps	6/6/2000
4-Methyl-2-Pentanone	< 1.6	ug/l	1.6	5.1	50	2		8260	cps	6/6/2000
Acetone	< 3.1	ug/l	3.1	9.9	200	2		8260	cps	6/6/2000
Benzene	< 0.54	ug/l	0.54	1.7	0.5	2		8260	cps	6/6/2000
Bromobenzene	< 0.62	ug/l	0.62	2	ns	2		8260	cps	6/6/2000
Bromochloromethane	< 0.74	ug/l	0.74	2.4	ns	2		8260	cps	6/6/2000
Bromodichloromethane	< 0.76	ug/l	0.76	2.4	0.06	2		8260	cps	6/6/2000
Bromoform	< 0.78	ug/l	0.78	2.5	0.44	2		8260	cps	6/6/2000
Bromomethane	< 1.3	ug/l	1.3	4.1	1	2		8260	cps	6/6/2000
Carbon tetrachloride	< 0.54	ug/l	0.54	1.7	0.5	2		8260	cps	6/6/2000
Chlorobenzene	< 0.52	ug/l	0.52	1.7	20	2		8260	cps	6/6/2000
Chloroethane	< 1.3	ug/l	1.3	4.1	80	2		8260	cps	6/6/2000
Chloroform	< 0.48	ug/l	0.48	1.5	0.6	2		8260	cps	6/6/2000
Chloromethane	< 0.98	ug/l	0.98	3.1	0.3	2		8260	cps	6/6/2000
cis-1,2-Dichloroethene	23	ug/l	0.54	1.7	7	2		8260	cps	6/6/2000
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	0.02	2		8260	cps	6/6/2000
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	6	2		8260	cps	6/6/2000
Dibromomethane	< 0.92	ug/l	0.92	2.9	ns	2		8260	cps	6/6/2000
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	200	2		8260	cps	6/6/2000
Ethylbenzene	< 0.5	ug/l	0.5	1.6	140	2		8260	cps	6/6/2000
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	ns	2		8260	cps	6/6/2000
Isopropyl Ether	< 0.6	ug/l	0.6	1.9	ns	2		8260	cps	6/6/2000
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	ns	2		8260	cps	6/6/2000
m&p-xylene	< 1.1	ug/l	1.1	3.4	124	2		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	12	2		8260	cps	6/6/2000
Methylene chloride	< 0.6	ug/l	0.6	1.9	0.5	2		8260	cps	6/6/2000
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	ns	2		8260	cps	6/6/2000
n-Propylbenzene	< 0.56	ug/l	0.56	1.8	ns	2		8260	cps	6/6/2000
Naphthalene	< 1.5	ug/l	1.5	4.8	8	2		8260	cps	6/6/2000
o-xylene	< 0.5	ug/l	0.5	1.6	124	2		8260	cps	6/6/2000
p-Isopropyltoluene	< 0.62	ug/l	0.62	2	ns	2		8260	cps	6/6/2000
sec-Butylbenzene	< 0.68	ug/l	0.68	2.2	ns	2		8260	cps	6/6/2000
Styrene	< 0.5	ug/l	0.5	1.6	10	2		8260	cps	6/6/2000
tert-Butylbenzene	< 0.6	ug/l	0.6	1.9	ns	2		8260	cps	6/6/2000
Tetrachloroethene	< 0.62	ug/l	0.62	2	0.5	2		8260	cps	6/6/2000
Toluene	< 0.58	ug/l	0.58	1.8	68.6	2		8260	cps	6/6/2000
trans-1,2-Dichloroethene	1.4	ug/l	0.5	1.6	20	2	J	8260	cps	6/6/2000
trans-1,3-Dichloropropene	< 0.52	ug/l	0.52	1.7	0.02	2		8260	cps	6/6/2000
Trichloroethene	109	ug/l	0.68	2.2	0.5	2		8260	cps	6/6/2000
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	ns	2		8260	cps	6/6/2000
Vinyl chloride	0.42	ug/l	0.42	1.3	0.02	2		8260	cps	6/6/2000

Sample Number: **19803** QC Prep Batch Number: 994310 *Sample analyzed within 5 Day(s) from collection.*
Client ID: **000601EW-4P** Sample Description: *Collection: 6/1/2000 Time: 10:35*

1,1,1,2-Tetrachloroethane	< 7.3	ug/l	7.3	23	ns	33.33		8260	cps	6/6/2000
1,1,1-Trichloroethane	545	ug/l	10	33	40	33.33		8260	cps	6/6/2000
1,1,2,2-Tetrachloroethane	< 15	ug/l	15	47	0.02	33.33		8260	cps	6/6/2000
1,1,2-Trichloroethane	< 15	ug/l	15	47	0.5	33.33		8260	cps	6/6/2000
1,1-Dichloroethane	27	ug/l	11	34	85	33.33	J	8260	cps	6/6/2000
1,1-Dichloroethene	45	ug/l	11	36	0.7	33.33		8260	cps	6/6/2000
1,1-Dichloropropene	< 14	ug/l	14	46	ns	33.33		8260	cps	6/6/2000
1,2,3-Trichlorobenzene	< 17	ug/l	17	53	ns	33.33		8260	cps	6/6/2000
1,2,3-Trichloropropane	< 17	ug/l	17	54	ns	33.33		8260	cps	6/6/2000
1,2,4-Trichlorobenzene	< 16	ug/l	16	50	14	33.33		8260	cps	6/6/2000
1,2,4-Trimethylbenzene	< 10	ug/l	10	32	ns	33.33		8260	cps	6/6/2000
1,2-Dibromoethane	< 15	ug/l	15	49	0.005	33.33		8260	cps	6/6/2000
1,2-Dichlorobenzene	< 11	ug/l	11	36	60	33.33		8260	cps	6/6/2000
1,2-Dichloroethane	< 12	ug/l	12	37	0.5	33.33		8260	cps	6/6/2000
1,2-Dichloropropane	< 11	ug/l	11	34	0.5	33.33		8260	cps	6/6/2000
1,3,5-Trimethylbenzene	< 11	ug/l	11	36	ns	33.33		8260	cps	6/6/2000
1,3-Dichlorobenzene	< 8.7	ug/l	8.7	28	125	33.33		8260	cps	6/6/2000
1,3-Dichloropropane	< 13	ug/l	13	41	ns	33.33		8260	cps	6/6/2000
1,4-Dichlorobenzene	< 12	ug/l	12	38	15	33.33		8260	cps	6/6/2000
12Dibromo-3-chloropropan	< 11	ug/l	11	35	0.02	33.33		8260	cps	6/6/2000
2,2-Dichloropropane	< 9	ug/l	9	29	ns	33.33		8260	cps	6/6/2000
2-Butanone (MEK)	< 46	ug/l	46	146	90	33.33		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000392**
DATE REPORTED:	07-Jun-00
DATE RECEIVED:	02-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 23	ug/l	23	74	ns	33.33		8260	cps	6/6/2000
2-Chlorotoluene	< 10	ug/l	10	32	ns	33.33		8260	cps	6/6/2000
4-Chlorotoluene	< 8.7	ug/l	8.7	28	ns	33.33		8260	cps	6/6/2000
4-Methyl-2-Pentanone	< 27	ug/l	27	85	50	33.33		8260	cps	6/6/2000
Acetone	< 52	ug/l	52	164	200	33.33		8260	cps	6/6/2000
Benzene	< 9	ug/l	9	29	0.5	33.33		8260	cps	6/6/2000
Bromobenzene	< 10	ug/l	10	33	ns	33.33		8260	cps	6/6/2000
Bromochloromethane	< 12	ug/l	12	39	ns	33.33		8260	cps	6/6/2000
Bromodichloromethane	< 13	ug/l	13	40	0.06	33.33		8260	cps	6/6/2000
Bromoform	< 13	ug/l	13	41	0.44	33.33		8260	cps	6/6/2000
Bromomethane	< 22	ug/l	22	69	1	33.33		8260	cps	6/6/2000
Carbon tetrachloride	< 9	ug/l	9	29	0.5	33.33		8260	cps	6/6/2000
Chlorobenzene	< 8.7	ug/l	8.7	28	20	33.33		8260	cps	6/6/2000
Chloroethane	35	ug/l	21	68	80	33.33	J	8260	cps	6/6/2000
Chloroform	< 8	ug/l	8	25	0.6	33.33		8260	cps	6/6/2000
Chloromethane	< 16	ug/l	16	52	0.3	33.33		8260	cps	6/6/2000
cis-1,2-Dichloroethene	82	ug/l	9	29	7	33.33		8260	cps	6/6/2000
cis-1,3-Dichloropropene	< 12	ug/l	12	39	0.02	33.33		8260	cps	6/6/2000
Dibromochloromethane	< 14	ug/l	14	43	6	33.33		8260	cps	6/6/2000
Dibromomethane	< 15	ug/l	15	49	ns	33.33		8260	cps	6/6/2000
Dichlorodifluoromethane	< 9	ug/l	9	29	200	33.33		8260	cps	6/6/2000
Ethylbenzene	< 8.3	ug/l	8.3	27	140	33.33		8260	cps	6/6/2000
Hexachlorobutadiene	< 14	ug/l	14	45	ns	33.33		8260	cps	6/6/2000
Isopropyl Ether	< 10	ug/l	10	32	ns	33.33		8260	cps	6/6/2000
Isopropylbenzene	< 11	ug/l	11	35	ns	33.33		8260	cps	6/6/2000
m&p-xylene	< 18	ug/l	18	56	124	33.33		8260	cps	6/6/2000
Methyl-t-butyl ether	< 13	ug/l	13	41	12	33.33		8260	cps	6/6/2000
Methylene chloride	< 10	ug/l	10	32	0.5	33.33		8260	cps	6/6/2000
n-Butylbenzene	< 12	ug/l	12	38	ns	33.33		8260	cps	6/6/2000
n-Propylbenzene	< 9.3	ug/l	9.3	30	ns	33.33		8260	cps	6/6/2000
Naphthalene	< 25	ug/l	25	80	8	33.33		8260	cps	6/6/2000
o-xylene	< 8.3	ug/l	8.3	27	124	33.33		8260	cps	6/6/2000
p-Isopropyltoluene	< 10	ug/l	10	33	ns	33.33		8260	cps	6/6/2000
sec-Butylbenzene	< 11	ug/l	11	36	ns	33.33		8260	cps	6/6/2000
Styrene	< 8.3	ug/l	8.3	27	10	33.33		8260	cps	6/6/2000
tert-Butylbenzene	< 10	ug/l	10	32	ns	33.33		8260	cps	6/6/2000
Tetrachloroethene	29	ug/l	10	33	0.5	33.33	J	8260	cps	6/6/2000
Toluene	< 9.7	ug/l	9.7	31	68.6	33.33		8260	cps	6/6/2000
trans-1,2-Dichloroethene	55	ug/l	8.3	27	20	33.33		8260	cps	6/6/2000
trans-1,3-Dichloropropene	< 8.7	ug/l	8.7	28	0.02	33.33		8260	cps	6/6/2000
Trichloroethene	1340	ug/l	11	36	0.5	33.33		8260	cps	6/6/2000
Trichlorofluoromethane	< 8	ug/l	8	25	ns	33.33		8260	cps	6/6/2000
Vinyl chloride	< 7	ug/l	7	22	0.02	33.33		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: 19804				QC Prep Batch Number:	994310		*Sample analyzed within*	*5 Day(s) from collection.*		
Client ID: 000601EW-5P	Sample Description:						*Collection:*	*6/1/2000*	*Time:*	*10:05*
1,1,1,2-Tetrachloroethane	<3.7	ug/l	3.7	12	ns	16.67		8260	cps	6/6/2000
1,1,1-Trichloroethane	264	ug/l	5.2	16	40	16.67		8260	cps	6/6/2000
1,1,2,2-Tetrachloroethane	<7.3	ug/l	7.3	23	0.02	16.67		8260	cps	6/6/2000
1,1,2-Trichloroethane	<7.3	ug/l	7.3	23	0.5	16.67		8260	cps	6/6/2000
1,1-Dichloroethane	74	ug/l	5.3	17	85	16.67		8260	cps	6/6/2000
1,1-Dichloroethene	12	ug/l	5.7	18	0.7	16.67	J	8260	cps	6/6/2000
1,1-Dichloropropene	<7.2	ug/l	7.2	23	ns	16.67		8260	cps	6/6/2000
1,2,3-Trichlorobenzene	<8.3	ug/l	8.3	27	ns	16.67		8260	cps	6/6/2000
1,2,3-Trichloropropane	<8.5	ug/l	8.5	27	ns	16.67		8260	cps	6/6/2000
1,2,4-Trichlorobenzene	<7.8	ug/l	7.8	25	14	16.67		8260	cps	6/6/2000
1,2,4-Trimethylbenzene	<5	ug/l	5	16	ns	16.67		8260	cps	6/6/2000
1,2-Dibromoethane	<7.7	ug/l	7.7	24	0.005	16.67		8260	cps	6/6/2000
1,2-Dichlorobenzene	<5.7	ug/l	5.7	18	60	16.67		8260	cps	6/6/2000
1,2-Dichloroethane	<5.8	ug/l	5.8	19	0.5	16.67		8260	cps	6/6/2000
1,2-Dichloropropane	<5.3	ug/l	5.3	17	0.5	16.67		8260	cps	6/6/2000
1,3,5-Trimethylbenzene	<5.7	ug/l	5.7	18	ns	16.67		8260	cps	6/6/2000
1,3-Dichlorobenzene	<4.3	ug/l	4.3	14	125	16.67		8260	cps	6/6/2000
1,3-Dichloropropane	<6.5	ug/l	6.5	21	ns	16.67		8260	cps	6/6/2000
1,4-Dichlorobenzene	<6	ug/l	6	19	15	16.67		8260	cps	6/6/2000
12Dibromo-3-chloropropan	<5.5	ug/l	5.5	18	0.02	16.67		8260	cps	6/6/2000
2,2-Dichloropropane	<4.5	ug/l	4.5	14	ns	16.67		8260	cps	6/6/2000
2-Butanone (MEK)	<23	ug/l	23	73	90	16.67		8260	cps	6/6/2000
2-Chloroethyl Vinyl Ether	<12	ug/l	12	37	ns	16.67		8260	cps	6/6/2000
2-Chlorotoluene	<5	ug/l	5	16	ns	16.67		8260	cps	6/6/2000
4-Chlorotoluene	<4.3	ug/l	4.3	14	ns	16.67		8260	cps	6/6/2000
4-Methyl-2-Pentanone	<13	ug/l	13	42	50	16.67		8260	cps	6/6/2000
Acetone	<26	ug/l	26	82	200	16.67		8260	cps	6/6/2000
Benzene	<4.5	ug/l	4.5	14	0.5	16.67		8260	cps	6/6/2000
Bromobenzene	<5.2	ug/l	5.2	16	ns	16.67		8260	cps	6/6/2000
Bromochloromethane	<6.2	ug/l	6.2	20	ns	16.67		8260	cps	6/6/2000
Bromodichloromethane	<6.3	ug/l	6.3	20	0.06	16.67		8260	cps	6/6/2000
Bromoform	<6.5	ug/l	6.5	21	0.44	16.67		8260	cps	6/6/2000
Bromomethane	<11	ug/l	11	34	1	16.67		8260	cps	6/6/2000
Carbon tetrachloride	<4.5	ug/l	4.5	14	0.5	16.67		8260	cps	6/6/2000
Chlorobenzene	6.5	ug/l	4.3	14	20	16.67	J	8260	cps	6/6/2000
Chloroethane	<11	ug/l	11	34	80	16.67		8260	cps	6/6/2000
Chloroform	<4	ug/l	4	13	0.6	16.67		8260	cps	6/6/2000
Chloromethane	<8.2	ug/l	8.2	26	0.3	16.67		8260	cps	6/6/2000
cis-1,2-Dichloroethene	79	ug/l	4.5	14	7	16.67		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	< 6.2	ug/l	6.2	20	0.02	16.67		8260	cps	6/6/2000
Dibromochloromethane	< 6.8	ug/l	6.8	22	6	16.67		8260	cps	6/6/2000
Dibromomethane	< 7.7	ug/l	7.7	24	ns	16.67		8260	cps	6/6/2000
Dichlorodifluoromethane	< 4.5	ug/l	4.5	14	200	16.67		8260	cps	6/6/2000
Ethylbenzene	< 4.2	ug/l	4.2	13	140	16.67		8260	cps	6/6/2000
Hexachlorobutadiene	< 7	ug/l	7	22	ns	16.67		8260	cps	6/6/2000
Isopropyl Ether	< 5	ug/l	5	16	ns	16.67		8260	cps	6/6/2000
Isopropylbenzene	< 5.5	ug/l	5.5	18	ns	16.67		8260	cps	6/6/2000
m&p-xylene	< 8.8	ug/l	8.8	28	124	16.67		8260	cps	6/6/2000
Methyl-t-butyl ether	< 6.5	ug/l	6.5	21	12	16.67		8260	cps	6/6/2000
Methylene chloride	< 5	ug/l	5	16	0.5	16.67		8260	cps	6/6/2000
n-Butylbenzene	< 6	ug/l	6	19	ns	16.67		8260	cps	6/6/2000
n-Propylbenzene	< 4.7	ug/l	4.7	15	ns	16.67		8260	cps	6/6/2000
Naphthalene	< 13	ug/l	13	40	8	16.67		8260	cps	6/6/2000
o-xylene	< 4.2	ug/l	4.2	13	124	16.67		8260	cps	6/6/2000
p-Isopropyltoluene	< 5.2	ug/l	5.2	16	ns	16.67		8260	cps	6/6/2000
sec-Butylbenzene	< 5.7	ug/l	5.7	18	ns	16.67		8260	cps	6/6/2000
Styrene	< 4.2	ug/l	4.2	13	10	16.67		8260	cps	6/6/2000
tert-Butylbenzene	< 5	ug/l	5	16	ns	16.67		8260	cps	6/6/2000
Tetrachloroethene	< 5.2	ug/l	5.2	16	0.5	16.67		8260	cps	6/6/2000
Toluene	< 4.8	ug/l	4.8	15	68.6	16.67		8260	cps	6/6/2000
trans-1,2-Dichloroethene	7.2	ug/l	4.2	13	20	16.67	J	8260	cps	6/6/2000
trans-1,3-Dichloropropene	< 4.3	ug/l	4.3	14	0.02	16.67		8260	cps	6/6/2000
Trichloroethene	897	ug/l	5.7	18	0.5	16.67		8260	cps	6/6/2000
Trichlorofluoromethane	< 4	ug/l	4	13	ns	16.67		8260	cps	6/6/2000
Vinyl chloride	< 3.5	ug/l	3.5	11	0.02	16.67		8260	cps	6/6/2000

Sample Number: **19805** QC Prep Batch Number: 994310 *Sample analyzed within 5 Day(s) from collection.*
Client ID: **000601MW-5DP** Sample Description: *Collection: 6/1/2000 Time: 11:30*

1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	6/6/2000
1,1,1-Trichloroethane	< 3.1	ug/l	3.1	9.9	40	10		8260	cps	6/6/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	6/6/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	6/6/2000
1,1-Dichloroethane	34	ug/l	3.2	10	85	10		8260	cps	6/6/2000
1,1-Dichloroethene	4	ug/l	3.4	11	0.7	10	J	8260	cps	6/6/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	6/6/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	6/6/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	6/6/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	6/6/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/6/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	6/6/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloroethane	<3.5	ug/l	3.5	11	0.5	10		8260	cps	6/6/2000
1,2-Dichloropropane	<3.2	ug/l	3.2	10	0.5	10		8260	cps	6/6/2000
1,3,5-Trimethylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	6/6/2000
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8.3	125	10		8260	cps	6/6/2000
1,3-Dichloropropane	<3.9	ug/l	3.9	12	ns	10		8260	cps	6/6/2000
1,4-Dichlorobenzene	<3.6	ug/l	3.6	11	15	10		8260	cps	6/6/2000
12Dibromo-3-chloropropan	<3.3	ug/l	3.3	10	0.02	10		8260	cps	6/6/2000
2,2-Dichloropropane	<2.7	ug/l	2.7	8.6	ns	10		8260	cps	6/6/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	6/6/2000
2-Chloroethyl Vinyl Ether	<7	ug/l	7	22	ns	10		8260	cps	6/6/2000
2-Chlorotoluene	<3	ug/l	3	9.5	ns	10		8260	cps	6/6/2000
4-Chlorotoluene	<2.6	ug/l	2.6	8.3	ns	10		8260	cps	6/6/2000
4-Methyl-2-Pentanone	<8	ug/l	8	25	50	10		8260	cps	6/6/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	6/6/2000
Benzene	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/6/2000
Bromobenzene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/6/2000
Bromochloromethane	<3.7	ug/l	3.7	12	ns	10		8260	cps	6/6/2000
Bromodichloromethane	<3.8	ug/l	3.8	12	0.06	10		8260	cps	6/6/2000
Bromoform	<3.9	ug/l	3.9	12	0.44	10		8260	cps	6/6/2000
Bromomethane	<6.5	ug/l	6.5	21	1	10		8260	cps	6/6/2000
Carbon tetrachloride	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/6/2000
Chlorobenzene	<2.6	ug/l	2.6	8.3	20	10		8260	cps	6/6/2000
Chloroethane	20	ug/l	6.4	20	80	10	J	8260	cps	6/6/2000
Chloroform	<2.4	ug/l	2.4	7.6	0.6	10		8260	cps	6/6/2000
Chloromethane	<4.9	ug/l	4.9	16	0.3	10		8260	cps	6/6/2000
cis-1,2-Dichloroethene	92	ug/l	2.7	8.6	7	10		8260	cps	6/6/2000
cis-1,3-Dichloropropene	<3.7	ug/l	3.7	12	0.02	10		8260	cps	6/6/2000
Dibromochloromethane	<4.1	ug/l	4.1	13	6	10		8260	cps	6/6/2000
Dibromomethane	<4.6	ug/l	4.6	15	ns	10		8260	cps	6/6/2000
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	200	10		8260	cps	6/6/2000
Ethylbenzene	<2.5	ug/l	2.5	8	140	10		8260	cps	6/6/2000
Hexachlorobutadiene	<4.2	ug/l	4.2	13	ns	10		8260	cps	6/6/2000
Isopropyl Ether	<3	ug/l	3	9.5	ns	10		8260	cps	6/6/2000
Isopropylbenzene	<3.3	ug/l	3.3	10	ns	10		8260	cps	6/6/2000
m&p-xylene	<5.3	ug/l	5.3	17	124	10		8260	cps	6/6/2000
Methyl-t-butyl ether	<3.9	ug/l	3.9	12	12	10		8260	cps	6/6/2000
Methylene chloride	<3	ug/l	3	9.5	0.5	10		8260	cps	6/6/2000
n-Butylbenzene	<3.6	ug/l	3.6	11	ns	10		8260	cps	6/6/2000
n-Propylbenzene	<2.8	ug/l	2.8	8.9	ns	10		8260	cps	6/6/2000
Naphthalene	<7.5	ug/l	7.5	24	8	10		8260	cps	6/6/2000
o-xylene	<2.5	ug/l	2.5	8	124	10		8260	cps	6/6/2000
p-Isopropyltoluene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/6/2000
sec-Butylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Styrene	<2.5	ug/l	2.5	8	10	10		8260	cps	6/6/2000
tert-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	6/6/2000
Tetrachloroethene	<3.1	ug/l	3.1	9.9	0.5	10		8260	cps	6/6/2000
Toluene	<2.9	ug/l	2.9	9.2	68.6	10		8260	cps	6/6/2000
trans-1,2-Dichloroethene	5.1	ug/l	2.5	8	20	10	J	8260	cps	6/6/2000
trans-1,3-Dichloropropene	<2.6	ug/l	2.6	8.3	0.02	10		8260	cps	6/6/2000
Trichloroethene	541	ug/l	3.4	11	0.5	10		8260	cps	6/6/2000
Trichlorofluoromethane	<2.4	ug/l	2.4	7.6	ns	10		8260	cps	6/6/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	6/6/2000

Sample Number: **19806** QC Prep Batch Number: 994310 *Sample analyzed within 5 Day(s) from collection.*
Client ID: **000601MW-2DP** Sample Description: *Collection: 6/1/2000 Time: 12:50*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/6/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	6/6/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/6/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/6/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	6/6/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/6/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/6/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/6/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/6/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	6/6/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/6/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	6/6/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/6/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1	0.5	1		8260	cps	6/6/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	125	1		8260	cps	6/6/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/6/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	15	1		8260	cps	6/6/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1	0.02	1		8260	cps	6/6/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/6/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	6/6/2000
2-Chloroethyl Vinyl Ether	<0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/6/2000
2-Chlorotoluene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/6/2000
4-Methyl-2-Pentanone	<0.8	ug/l	0.8	2.5	50	1		8260	cps	6/6/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	6/6/2000
Benzene	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000392**
DATE REPORTED:	07-Jun-00
DATE RECEIVED:	02-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/6/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/6/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/6/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/6/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/6/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/6/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/6/2000
cis-1,2-Dichloroethene	0.95	ug/l	0.27	0.86	7	1		8260	cps	6/6/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/6/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/6/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/6/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/6/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/6/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/6/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/6/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/6/2000
Methyl-t-butyl ether	0.81	ug/l	0.39	1.2	12	1	*J*	8260	cps	6/6/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/6/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/6/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/6/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/6/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/6/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/6/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/6/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/6/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/6/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/6/2000
Trichloroethene	0.42	ug/l	0.34	1.1	0.5	1	*J*	8260	cps	6/6/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/6/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/6/2000

Sample Number: **19807** QC Prep Batch Number: 994310 *Sample analyzed within* 5 *Day(s) from collection*
Client ID: **Trip Blank** Sample Description: *Collection:* 6/1/2000 *Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/6/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/6/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/6/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/6/2000

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 01-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/6/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/6/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/6/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/6/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/6/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/6/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/6/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/6/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/6/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/6/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/6/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/6/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/6/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/6/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/6/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/6/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/6/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/6/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/6/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/6/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/6/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/6/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/6/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/6/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/6/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/6/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/6/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/6/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/6/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/6/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/6/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/6/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/6/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/6/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/6/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/6/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000392**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 01-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/6/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/6/2000
Methylene chloride	0.31	ug/l	0.3	0.95	0.5	1	J	8260	cps	6/6/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/6/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/6/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/6/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/6/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/6/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/6/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/6/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/6/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/6/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/6/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/6/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/6/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/6/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/6/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/6/2000

Approved By: _____ **Date:** 7/6/00

James Chang, Ph.D. , Lab Director

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

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

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000392**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Nova Sample Number: 19799
Client ID: **000601WW-1P**
Collection: 6/1/2000 Time: 09:45
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.4**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**0.93**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**4.9**	**mg/l**		0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**5.7**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/6/2000	*994311*	
Manganese - ICAP	**<0.081**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/7/2000	*994337*	
Nickel - ICAP	**<0.011**	**mg/l**		0.011	0.03	200.7	tm	6/2/2000	*994297*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**4.8**	**ug/l**	*J*	1.7	5.4	279.2	tm	6/8/2000	*994330*	
Zinc - ICAP	**0.05**	**mg/l**		0.014	0.04	200.7	tm	6/2/2000	*994297*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/2/2000	*994321*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994376*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**8**	**s.u.**	#			150.1	jc	6/1/2000	*994284*	

Nova Sample Number: 19800
Client ID: **000601EW-1P**
Collection: 6/1/2000 Time: 10:10
Sample Description:

Arsenic - Furnace AA	**13**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.16**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**0.05**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**1.2**	**mg/l**		0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**30**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/6/2000	*994311*	
Manganese - ICAP	**0.24**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/7/2000	*994337*	
Nickel - ICAP	**0.46**	**mg/l**		0.011	0.03	200.7	tm	6/2/2000	*994297*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000392
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**12**	**ug/l**	*J* **RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**3.9**	**ug/l**	*J*	1.7	5.4	279.2	tm	6/8/2000	*994330*	
Zinc - ICAP	**0.17**	**mg/l**		0.014	0.04	200.7	tm	6/2/2000	*994297*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/2/2000	*994321*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/21/2000	*994457*	
Cyanide, Total	**0.05**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**7.4**	**s.u.**	#			150.1	jc	6/1/2000	*994284*	

Nova Sample Number: 19801
Client ID: **000601EW-2P**
Collection: 6/1/2000 Time: 10:50
Sample Description:

Arsenic - Furnace AA	**16**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.51**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**0.08**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**0.08**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**163**	**mg/l**		0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**19**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/6/2000	*994311*	
Manganese - ICAP	**0.23**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**0.0002**	**mg/l**	*J*	0.0002	0.0006	245.1	tm	6/7/2000	*994337*	
Nickel - ICAP	**0.05**	**mg/l**		0.011	0.03	200.7	tm	6/2/2000	*994297*	
Selenium - Furnace AA	**16**	**ug/l**	**RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**<1.7**	**ug/l**		1.7	5.4	279.2	tm	6/8/2000	*994330*	
Zinc - ICAP	**0.07**	**mg/l**		0.014	0.04	200.7	tm	6/2/2000	*994297*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/2/2000	*994321*	
Cyanide, Amenable	**0.06**	**mg/l**		0.006	0.02	335.2	dmd	6/21/2000	*994457*	
Cyanide, Total	**0.007**	**mg/l**	*J*	0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**7.6**	**s.u.**	#			150.1	jc	6/1/2000	*994284*	

Nova Sample Number: 19802
Client ID: **000601EW-3P**
Collection: 6/1/2000 Time: 10:20
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.21**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000392**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**0.006**	**mg/l**	*J*	0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**1.8**	**mg/l**		0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**7.7**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/6/2000	*994311*	
Manganese - ICAP	**0.07**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/7/2000	*994337*	
Nickel - ICAP	**<0.011**	**mg/l**		0.011	0.03	200.7	tm	6/2/2000	*994297*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**3.4**	**ug/l**	*J*	1.7	5.4	279.2	tm	6/8/2000	*994330*	
Zinc - ICAP	**0.04**	**mg/l**	*J*	0.014	0.04	200.7	tm	6/2/2000	*994297*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/2/2000	*994321*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2		6/13/2000	*994376*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**7.6**	**s.u.**	#			150.1	jc	6/1/2000	*994284*	

Nova Sample Number: 19803
Client ID: **000601EW-4P**

Collection: 6/1/2000 Time: 10:35
Sample Description:

Arsenic - Furnace AA	**16**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.18**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**0.07**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**0.29**	**mg/l**		0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**18**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/6/2000	*994311*	
Manganese - ICAP	**0.35**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/7/2000	*994337*	
Nickel - ICAP	**0.1**	**mg/l**		0.011	0.03	200.7	tm	6/2/2000	*994297*	
Selenium - Furnace AA	**8.9**	**ug/l**	*J* **RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**1.9**	**ug/l**	*J*	1.7	5.4	279.2	tm	6/8/2000	*994330*	
Zinc - ICAP	**0.16**	**mg/l**		0.014	0.04	200.7	tm	6/2/2000	*994297*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/2/2000	*994321*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000392
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/21/2000	*994457*	
Cyanide, Total	**0.04**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**7.4**	**s.u.**	#			150.1	jc	6/1/2000	*994284*	

Nova Sample Number: 19804
Client ID: **000601EW-5P**
Collection: 6/1/2000 Time: 10:05
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.19**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**<0.006**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**1.8**	**mg/l**		0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/6/2000	*994311*	
Manganese - ICAP	**0.08**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/7/2000	*994337*	
Nickel - ICAP	**<0.011**	**mg/l**		0.011	0.03	200.7	tm	6/2/2000	*994297*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**<1.7**	**ug/l**		1.7	5.4	279.2	tm	6/8/2000	*994330*	
Zinc - ICAP	**0.02**	**mg/l**	*J*	0.014	0.04	200.7	tm	6/2/2000	*994297*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/2/2000	*994321*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/21/2000	*994457*	
Cyanide, Total	**0.03**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**7.8**	**s.u.**	#			150.1	jc	6/1/2000	*994284*	

Nova Sample Number: 19805
Client ID: **000601MW-5DP**
Collection: 6/1/2000 Time: 11:30
Sample Description:

Arsenic - Furnace AA	**16**	**ug/l**	***J*** **RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.14**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**<0.006**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**4**	**mg/l**		0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/6/2000	*994311*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000392
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 02-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Sampling

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Manganese - ICAP	**0.09**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/7/2000	*994337*	
Nickel - ICAP	**<0.011**	**mg/l**		0.011	0.03	200.7	tm	6/2/2000	*994297*	
Selenium - Furnace AA	**17**	**ug/l**	**RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**<1.7**	**ug/l**		1.7	5.4	279.2	tm	6/8/2000	*994330*	
Zinc - ICAP	**0.03**	**mg/l**	*J*	0.014	0.04	200.7	tm	6/2/2000	*994297*	
Chromium, Hexavalent	**0.008**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	6/2/2000	*994321*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2		6/13/2000	*994376*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**6.6**	**s.u.**	#			150.1	jc	6/1/2000	*994284*	

Nova Sample Number: 19806
Client ID: **000601MW-2DP**

Collection: 6/1/2000 Time: 12:50
Sample Description:

Arsenic - Furnace AA	**12**	**ug/l**	***J* RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.04**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**<0.006**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**0.89**	**mg/l**		0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/6/2000	*994311*	
Manganese - ICAP	**0.02**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/7/2000	*994337*	
Nickel - ICAP	**<0.011**	**mg/l**		0.011	0.03	200.7	tm	6/2/2000	*994297*	
Selenium - Furnace AA	**18**	**ug/l**	**RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**1.9**	**ug/l**	*J*	1.7	5.4	279.2	tm	6/8/2000	*994330*	
Zinc - ICAP	**<0.014**	**mg/l**		0.014	0.04	200.7	tm	6/2/2000	*994297*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/2/2000	*994321*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2		6/13/2000	*994376*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**6**	**s.u.**	#			150.1	jc	6/1/2000	*994284*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000392**
DATE REPORTED:	06-Jul-00
DATE RECEIVED:	02-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	Quarterly Sampling

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

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

Approved By: _____ **Date:** 7/6/00

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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ORGANIC REPORT

RECEIVED
AUG 15 2000
DEPT. OF NATURAL RESOURCES
SD HEADQUARTERS

WDNR# 241340550

BATCH NUMBER: **20000410**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 07-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Sample Number: **19876** QC Prep Batch Number: 994340 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **00607MW16SP** Sample Description: *Collection: 6/7/2000 Time: 10:40*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	ns	4		8260	cps	6/8/2000
1,1,1-Trichloroethane	< 1.2	ug/l	1.2	3.9	40	4		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 1.8	ug/l	1.8	5.6	0.02	4		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 1.8	ug/l	1.8	5.6	0.5	4		8260	cps	6/8/2000
1,1-Dichloroethane	< 1.3	ug/l	1.3	4.1	85	4		8260	cps	6/8/2000
1,1-Dichloroethene	< 1.4	ug/l	1.4	4.3	0.7	4		8260	cps	6/8/2000
1,1-Dichloropropene	< 1.7	ug/l	1.7	5.5	ns	4		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	< 2	ug/l	2	6.4	ns	4		8260	cps	6/8/2000
1,2,3-Trichloropropane	< 2	ug/l	2	6.5	ns	4		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	< 1.9	ug/l	1.9	6	14	4		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	< 1.2	ug/l	1.2	3.8	ns	4		8260	cps	6/8/2000
1,2-Dibromoethane	< 1.8	ug/l	1.8	5.9	0.005	4		8260	cps	6/8/2000
1,2-Dichlorobenzene	< 1.4	ug/l	1.4	4.3	60	4		8260	cps	6/8/2000
1,2-Dichloroethane	< 1.4	ug/l	1.4	4.5	0.5	4		8260	cps	6/8/2000
1,2-Dichloropropane	< 1.3	ug/l	1.3	4.1	0.5	4		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.3	ns	4		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 1	ug/l	1	3.3	125	4		8260	cps	6/8/2000
1,3-Dichloropropane	< 1.6	ug/l	1.6	5	ns	4		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 1.4	ug/l	1.4	4.6	15	4		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 1.3	ug/l	1.3	4.2	0.02	4		8260	cps	6/8/2000
2,2-Dichloropropane	< 1.1	ug/l	1.1	3.4	ns	4		8260	cps	6/8/2000
2-Butanone (MEK)	< 5.5	ug/l	5.5	18	90	4		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 2.8	ug/l	2.8	8.9	ns	4		8260	cps	6/8/2000
2-Chlorotoluene	< 1.2	ug/l	1.2	3.8	ns	4		8260	cps	6/8/2000
4-Chlorotoluene	< 1	ug/l	1	3.3	ns	4		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 3.2	ug/l	3.2	10	50	4		8260	cps	6/8/2000
Acetone	< 6.2	ug/l	6.2	20	200	4		8260	cps	6/8/2000
Benzene	< 1.1	ug/l	1.1	3.4	0.5	4		8260	cps	6/8/2000
Bromobenzene	< 1.2	ug/l	1.2	3.9	ns	4		8260	cps	6/8/2000
Bromochloromethane	< 1.5	ug/l	1.5	4.7	ns	4		8260	cps	6/8/2000
Bromodichloromethane	< 1.5	ug/l	1.5	4.8	0.06	4		8260	cps	6/8/2000
Bromoform	< 1.6	ug/l	1.6	5	0.44	4		8260	cps	6/8/2000
Bromomethane	< 2.6	ug/l	2.6	8.3	1	4		8260	cps	6/8/2000
Carbon tetrachloride	< 1.1	ug/l	1.1	3.4	0.5	4		8260	cps	6/8/2000
Chlorobenzene	< 1	ug/l	1	3.3	20	4		8260	cps	6/8/2000
Chloroethane	< 2.6	ug/l	2.6	8.1	80	4		8260	cps	6/8/2000
Chloroform	< 0.96	ug/l	0.96	3.1	0.6	4		8260	cps	6/8/2000
Chloromethane	< 2	ug/l	2	6.2	0.3	4		8260	cps	6/8/2000
cis-1,2-Dichloroethene	273	ug/l	1.1	3.4	7	4		8260	cps	6/8/2000
cis-1,3-Dichloropropene	< 1.5	ug/l	1.5	4.7	0.02	4		8260	cps	6/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000410**
DATE REPORTED:	09-Jun-00
DATE RECEIVED:	07-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	

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	< 1.6	ug/l	1.6	5.2	6	4		8260	cps	6/8/2000
Dibromomethane	< 1.8	ug/l	1.8	5.9	ns	4		8260	cps	6/8/2000
Dichlorodifluoromethane	< 1.1	ug/l	1.1	3.4	200	4		8260	cps	6/8/2000
Ethylbenzene	< 1	ug/l	1	3.2	140	4		8260	cps	6/8/2000
Hexachlorobutadiene	< 1.7	ug/l	1.7	5.3	ns	4		8260	cps	6/8/2000
Isopropyl Ether	< 1.2	ug/l	1.2	3.8	ns	4		8260	cps	6/8/2000
Isopropylbenzene	< 1.3	ug/l	1.3	4.2	ns	4		8260	cps	6/8/2000
m&p-xylene	< 2.1	ug/l	2.1	6.7	124	4		8260	cps	6/8/2000
Methyl-t-butyl ether	< 1.6	ug/l	1.6	5	12	4		8260	cps	6/8/2000
Methylene chloride	< 1.2	ug/l	1.2	3.8	0.5	4		8260	cps	6/8/2000
n-Butylbenzene	< 1.4	ug/l	1.4	4.6	ns	4		8260	cps	6/8/2000
n-Propylbenzene	< 1.1	ug/l	1.1	3.6	ns	4		8260	cps	6/8/2000
Naphthalene	< 3	ug/l	3	9.5	8	4		8260	cps	6/8/2000
o-xylene	< 1	ug/l	1	3.2	124	4		8260	cps	6/8/2000
p-Isopropyltoluene	< 1.2	ug/l	1.2	3.9	ns	4		8260	cps	6/8/2000
sec-Butylbenzene	< 1.4	ug/l	1.4	4.3	ns	4		8260	cps	6/8/2000
Styrene	< 1	ug/l	1	3.2	10	4		8260	cps	6/8/2000
tert-Butylbenzene	< 1.2	ug/l	1.2	3.8	ns	4		8260	cps	6/8/2000
Tetrachloroethene	< 1.2	ug/l	1.2	3.9	0.5	4		8260	cps	6/8/2000
Toluene	< 1.2	ug/l	1.2	3.7	68.6	4		8260	cps	6/8/2000
trans-1,2-Dichloroethene	4.4	ug/l	1	3.2	20	4		8260	cps	6/8/2000
trans-1,3-Dichloropropene	< 1	ug/l	1	3.3	0.02	4		8260	cps	6/8/2000
Trichloroethene	< 1.4	ug/l	1.4	4.3	0.5	4		8260	cps	6/8/2000
Trichlorofluoromethane	1.2	ug/l	0.96	3.1	ns	4	B J	8260	cps	6/8/2000
Vinyl chloride	68	ug/l	0.84	2.7	0.02	4		8260	cps	6/8/2000

Sample Number: **19877** QC Prep Batch Number: 994340 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **00607MW14DP** Sample Description: *Collection: 6/7/2000 Time: 09:35*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000410**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 07-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/8/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/8/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/8/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/8/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/8/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000410**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 07-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/8/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/8/2000
Trichlorofluoromethane	0.29	ug/l	0.24	0.76	ns	1	B J	8260	cps	6/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/8/2000

Sample Number: **19878** QC Prep Batch Number: 994340 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **00607MW15DP** Sample Description: *Collection: 6/7/2000 Time: 09:45*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/8/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000410**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 07-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Chlorobenzene	5.1	ug/l	0.26	0.83	20	1		8260	cps	6/8/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/8/2000
cis-1,2-Dichloroethene	4.6	ug/l	0.27	0.86	7	1		8260	cps	6/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/8/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/8/2000
Methyl-t-butyl ether	1.1	ug/l	0.39	1.2	12	1	*J*	8260	cps	6/8/2000
Methylene chloride	0.41	ug/l	0.3	0.95	0.5	1	*J*	8260	cps	6/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/8/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/8/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/8/2000
trans-1,2-Dichloroethene	0.66	ug/l	0.25	0.8	20	1	*J*	8260	cps	6/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/8/2000
Trichloroethene	35	ug/l	0.34	1.1	0.5	1		8260	cps	6/8/2000
Trichlorofluoromethane	0.31	ug/l	0.24	0.76	ns	1	B *J*	8260	cps	6/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/8/2000

Sample Number: **19879** QC Prep Batch Number: 994340 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 6/7/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000410**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 07-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/8/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/8/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/8/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/8/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000410**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 07-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/8/2000
Methylene chloride	0.74	ug/l	0.3	0.95	0.5	1	J	8260	cps	6/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/8/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/8/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/8/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/8/2000
Trichlorofluoromethane	0.26	ug/l	0.24	0.76	ns	1	B J	8260	cps	6/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/8/2000

Approved By: _____ **Date:** 7/6/00
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000410**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 07-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Nova Sample Number: 19876
Client ID: **00607MW16SP**
Collection: 6/7/2000 Time: 10:40
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/9/2000	994342	
Barium - ICAP	0.03	mg/l		0.007	0.02	200.7	tm	6/9/2000	994347	
Cadmium - Furnace AA	2.8	ug/l	RJ	0.7	2.2	213.2	dmd	6/13/2000	994378	
Cadmium-Total Recoverable	1.8	ug/l	J	0.7	2.2	7131	tm	6/21/2000	994460	
Chromium, Total - ICAP	0.02	mg/l	J	0.008	0.03	200.7	tm	6/9/2000	994347	
Copper- ICAP	0.04	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347	
Iron - ICAP	17	mg/l		0.081	0.26	200.7	tm	6/9/2000	994347	
Lead - Furnace AA	3.3	ug/l	J RJ	1.5	4.8	239.2	tm	6/13/2000	994380	
Manganese - ICAP	0.43	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	tm	6/19/2000	994425	
Nickel - ICAP	0.03	mg/l	J	0.011	0.03	200.7	tm	6/9/2000	994347	
Selenium - Furnace AA	15	ug/l	J RJ	4.8	15	270.2	tm	6/14/2000	994391	
Silver - ICAP	0.005	mg/l	J	0.004	0.01	200.7	tm	6/9/2000	994347	
Thallium - Furnace AA	<1.7	ug/l		1.7	5.4	279.2	tm	6/8/2000	994331	
Zinc - ICAP	0.03	mg/l	J	0.014	0.04	200.7	tm	6/9/2000	994347	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	12805	6/8/2000	994387	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2		6/13/2000	994376	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	6/13/2000	994373	
pH (water)	8.5	s.u.	#			150.1	jc	6/7/2000	994357	

Nova Sample Number: 19877
Client ID: **00607MW14DP**
Collection: 6/7/2000 Time: 09:35
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/9/2000	994342	
Barium - ICAP	0.04	mg/l	RJ	0.007	0.02	200.7	tm	6/13/2000	994392	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/13/2000	994378	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	6/13/2000	994392	
Copper- ICAP	0.06	mg/l	RJ	0.006	0.02	200.7	tm	6/13/2000	994392	
Iron - ICAP	0.25	mg/l	J RJ	0.081	0.26	200.7	tm	6/13/2000	994392	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	6/13/2000	994380	
Manganese - ICAP	0.07	mg/l	RJ	0.006	0.02	200.7	tm	6/13/2000	994392	
Mercury CV	0.0003	mg/l	J	0.0002	0.0006	245.1	tm	6/19/2000	994425	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000410
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 07-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	tm	6/13/2000	994392	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	6/14/2000	994391	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	6/13/2000	994392	
Thallium - Furnace AA	2.1	ug/l	J	1.7	5.4	279.2	tm	6/8/2000	994331	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	tm	6/13/2000	994392	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	12805	6/8/2000	994387	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2		6/13/2000	994376	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	6/13/2000	994373	
pH (water)	6.8	s.u.	#			150.1	jc	6/7/2000	994357	

Nova Sample Number: 19878
Client ID: **00607MW15DP**

Collection: 6/7/2000 Time: 09:45
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/9/2000	994342	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	tm	6/13/2000	994392	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/13/2000	994378	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	6/13/2000	994392	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	6/13/2000	994392	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	tm	6/13/2000	994392	
Lead - Furnace AA	2.2	ug/l	J RJ	1.5	4.8	239.2	tm	6/13/2000	994380	
Manganese - ICAP	0.23	mg/l	RJ	0.006	0.02	200.7	tm	6/13/2000	994392	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	tm	6/19/2000	994425	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	6/13/2000	994392	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	6/14/2000	994391	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	6/13/2000	994392	
Thallium - Furnace AA	3.3	ug/l	J	1.7	5.4	279.2	tm	6/8/2000	994331	
Zinc - ICAP	0.04	mg/l	J RJ	0.014	0.04	200.7	tm	6/13/2000	994392	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	12805	6/8/2000	994387	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2		6/13/2000	994376	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	6/13/2000	994373	
pH (water)	7.3	s.u.	#			150.1	jc	6/7/2000	994357	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000410**
DATE REPORTED:	06-Jul-00
DATE RECEIVED:	07-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	

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

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

Approved By: _____ **Date:** 7/6/0

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

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000425**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Nova Sample Number: 19968
Client ID: **000613WA01P**
Collection: 6/13/2000 Time: 08:45
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**6.9**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	6/22/2000	*994476*
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	6/19/2000	*994463*
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/21/2000	*994462*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	6/19/2000	*994463*
Copper- ICAP	**0.007**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*
Iron - ICAP	**0.91**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	6/19/2000	*994463*
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/13/2000	*994381*
Manganese - ICAP	**0.15**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/19/2000	*994425*
Nickel - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	6/19/2000	*994463*
Selenium - Furnace AA	**8.4**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	6/14/2000	*994391*
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	6/19/2000	*994463*
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/21/2000	*994465*
Zinc - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	6/19/2000	*994463*
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	12805	6/8/2000	*994451*
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/21/2000	*994457*
Cyanide, Total	**no sample**	**mg/l**		0.006	0.02	335.2	dmd	6/21/2000	*994459*
pH (water)	**7.3**	**s.u.**	#			150.1	jc	6/13/2000	*994408*

Nova Sample Number: 19969
Client ID: **000613WA09R**
Collection: 6/13/2000 Time: 09:08
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/22/2000	*994476*
Barium - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	tm	6/19/2000	*994463*
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/21/2000	*994462*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	6/19/2000	*994463*
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	6/19/2000	*994463*
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/13/2000	*994381*
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/19/2000	*994425*
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	6/19/2000	*994463*

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000425**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	6/14/2000	*994391*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	6/19/2000	*994463*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/21/2000	*994465*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	6/19/2000	*994463*	
Nova Sample Number: 19970										
Client ID: **000613WA02P**								Collection: 6/13/2000		Time: 09:10
								Sample Description:		
pH (water)	**9**	**s.u.**	**#**			150.1	jc	6/13/2000	*994408*	
Nova Sample Number: 19971										
Client ID: **000613WA03P**								Collection: 6/13/2000		Time: 09:12
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	jc	6/13/2000	*994408*	
Nova Sample Number: 19972										
Client ID: **000613WA05P**								Collection: 6/13/2000		Time: 08:53
								Sample Description:		
pH (water)	**7.1**	**s.u.**	**#**			150.1	jc	6/13/2000	*994408*	
Nova Sample Number: 19976										
Client ID: **00613WA09P**								Collection: 6/13/2000		Time: 09:00
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	12805	6/8/2000	*994451*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/28/2000	*994535*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	6/21/2000	*994459*	
pH (water)	**7.7**	**s.u.**	**#**			150.1	jc	6/13/2000	*994408*	
Nova Sample Number: 19977										
Client ID: **00613WA09Q**								Collection: 6/13/2000		Time: 09:00
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	12805	6/8/2000	*994451*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/28/2000	*994535*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	6/21/2000	*994459*	
pH (water)	**7.7**	**s.u.**	**#**			150.1	jc	6/13/2000	*994408*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000425**
DATE REPORTED:	06-Jul-00
DATE RECEIVED:	13-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	

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

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

Approved By: _____ **Date:** 7/6/00

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000425**
DATE REPORTED: 19-Jun-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Sample Number: **19968** QC Prep Batch Number: 994411 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000613WA01P** Sample Description: *Collection: 6/13/2000 Time: 08:45*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	6/15/2000
1,1,1-Trichloroethane	191	ug/l	3.1	9.9	40	10		8260	cps	6/15/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	6/15/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	6/15/2000
1,1-Dichloroethane	35	ug/l	3.2	10	85	10		8260	cps	6/15/2000
1,1-Dichloroethene	17	ug/l	3.4	11	0.7	10		8260	cps	6/15/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	6/15/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	6/15/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	6/15/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	6/15/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/15/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	6/15/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	6/15/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	6/15/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	6/15/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	6/15/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	6/15/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	6/15/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	6/15/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	6/15/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	6/15/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	6/15/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	6/15/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/15/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	6/15/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	6/15/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	6/15/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/15/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/15/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	6/15/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	6/15/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	6/15/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	6/15/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/15/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	6/15/2000
Chloroethane	< 6.4	ug/l	6.4	20	80	10		8260	cps	6/15/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	6/15/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	6/15/2000
cis-1,2-Dichloroethene	57	ug/l	2.7	8.6	7	10		8260	cps	6/15/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	6/15/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000425**
DATE REPORTED: 19-Jun-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 4.1	ug/l	4.1	13	6	10		8260	cps	6/15/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	6/15/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	6/15/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	6/15/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	6/15/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	6/15/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	6/15/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	6/15/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	6/15/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	6/15/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	6/15/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	6/15/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	6/15/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	6/15/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/15/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	6/15/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	6/15/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/15/2000
Tetrachloroethene	6.1	ug/l	3.1	9.9	0.5	10	*J*	8260	cps	6/15/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	6/15/2000
trans-1,2-Dichloroethene	19	ug/l	2.5	8	20	10		8260	cps	6/15/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	6/15/2000
Trichloroethene	539	ug/l	3.4	11	0.5	10		8260	cps	6/15/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	6/15/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	6/15/2000

Sample Number: **19973** QC Prep Batch Number: 994411 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000613WA07P** Sample Description: *Collection: 6/13/2000 Time: 08:57*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/15/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/15/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/15/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/15/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/15/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/15/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/15/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/15/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/15/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/15/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/15/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/15/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/15/2000

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DATE REPORTED: 19-Jun-00
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/15/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/15/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/15/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/15/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/15/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/15/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/15/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/15/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/15/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/15/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/15/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/15/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/15/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/15/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/15/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/15/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/15/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/15/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/15/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/15/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/15/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/15/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/15/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/15/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/15/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/15/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/15/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/15/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/15/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/15/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/15/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/15/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/15/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/15/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/15/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000425**
DATE REPORTED: 19-Jun-00
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/15/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/15/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/15/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/15/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/15/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/15/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/15/2000

Sample Number: **19974** QC Prep Batch Number: 994411 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000613WA08P** Sample Description: *Collection: 6/13/2000 Time: 08:50*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/15/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/15/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/15/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/15/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/15/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/15/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/15/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/15/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/15/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/15/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/15/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/15/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/15/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/15/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/15/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/15/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/15/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/15/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/15/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/15/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/15/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/15/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/15/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/15/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/15/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/15/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000425**
DATE REPORTED: 19-Jun-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/15/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/15/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/15/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/15/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/15/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/15/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/15/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/15/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/15/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/15/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/15/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/15/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/15/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/15/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/15/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/15/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/15/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/15/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/15/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/15/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/15/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/15/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/15/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/15/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/15/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/15/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/15/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/15/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/15/2000

Sample Number: **19975** QC Prep Batch Number: 994411 *Sample analyzed within 2 Day(s) from collection.*

Client ID: **Trip blank** Sample Description: *Collection: 6/13/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/15/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/15/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/15/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/15/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/15/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000425**
DATE REPORTED: 19-Jun-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/15/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/15/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/15/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/15/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/15/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/15/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/15/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/15/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/15/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/15/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/15/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/15/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/15/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/15/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/15/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/15/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/15/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/15/2000
Acetone	22	ug/l	1.6	4.9	200	1		8260	cps	6/15/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/15/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/15/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/15/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/15/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/15/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/15/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/15/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/15/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/15/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/15/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/15/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/15/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/15/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/15/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/15/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/15/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/15/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000425**
DATE REPORTED: 19-Jun-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/15/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/15/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/15/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/15/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/15/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/15/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/15/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/15/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/15/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/15/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/15/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/15/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/15/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/15/2000

Sample Number: **19976** QC Prep Batch Number: 994411 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00613WA09P** Sample Description: *Collection: 6/13/2000 Time: 09:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/15/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/15/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/15/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/15/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/15/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/15/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/15/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/15/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/15/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/15/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/15/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/15/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/15/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/15/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/15/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/15/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/15/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/15/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/15/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/15/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000425**
DATE REPORTED: 19-Jun-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/15/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/15/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/15/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/15/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/15/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/15/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/15/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/15/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/15/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/15/2000
Chloroform	0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/15/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/15/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/15/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/15/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/15/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/15/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/15/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/15/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/15/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/15/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/15/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/15/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/15/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/15/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/15/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/15/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/15/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/15/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/15/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/15/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/15/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/15/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/15/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/15/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/15/2000

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

WDNR# 241340550

BATCH NUMBER: **20000425**
DATE REPORTED: 19-Jun-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Sample Number: **19977** QC Prep Batch Number: 994411 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00613WA09Q** Sample Description: *Collection: 6/13/2000 Time: 09:00*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/15/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/15/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/15/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/15/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/15/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/15/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/15/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/15/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/15/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/15/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/15/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/15/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/15/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/15/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/15/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/15/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/15/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/15/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/15/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/15/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/15/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/15/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/15/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/15/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/15/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/15/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/15/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/15/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/15/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/15/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/15/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/15/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/15/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/15/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000425**
DATE REPORTED: 19-Jun-00
DATE RECEIVED: 13-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/15/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/15/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/15/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/15/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/15/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/15/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/15/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/15/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/15/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/15/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/15/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/15/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/15/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/15/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/15/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/15/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/15/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/15/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/15/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/15/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/15/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/15/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/15/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/15/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/15/2000

Approved By: _____ **Date:** 7 6 9

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

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

RECEIVED
AUG 15 2000
DEPT. OF NATURAL RESOURCES
SD HEADQUARTERS

WDNR# 241340550

INVOICE NUMBER **20000429**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Nova Sample Number: 20003
Client ID: **000615RW-1P**
Collection: 6/15/2000 Time: 12:32
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/22/2000	*994476*	
Barium - ICAP	**0.28**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	6/19/2000	*994463*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/21/2000	*994462*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	6/19/2000	*994463*	
Copper- ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*	
Iron - ICAP	**0.41**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	6/19/2000	*994463*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/20/2000	*994443*	
Manganese - ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*	
Mercury CV	**<0.002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	6/23/2000	*994499*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	6/19/2000	*994463*	
Selenium - Furnace AA	**14**	**ug/l**	***J* RJ**	4.8	15	270.2	tm	6/22/2000	*994478*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	6/19/2000	*994463*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/21/2000	*994465*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	6/19/2000	*994463*	

Nova Sample Number: 20004
Client ID: **000615RW-2P**
Collection: 6/15/2000 Time: 11:42
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/22/2000	*994476*	
Barium - ICAP	**0.05**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	6/19/2000	*994463*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/21/2000	*994462*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	6/19/2000	*994463*	
Copper- ICAP	**<0.003**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*	
Iron - ICAP	**0.75**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	6/19/2000	*994463*	
Lead - Furnace AA	**2.5**	**ug/l**	***J* RJ**	1.5	4.8	239.2	tm	6/20/2000	*994443*	
Manganese - ICAP	**0.008**	**mg/l**	***J* RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*	
Mercury CV	**<0.002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	6/23/2000	*994499*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	6/19/2000	*994463*	
Selenium - Furnace AA	**9.1**	**ug/l**	***J* RJ**	4.8	15	270.2	tm	6/22/2000	*994478*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	6/19/2000	*994463*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/21/2000	*994465*	
Zinc - ICAP	**0.07**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	6/19/2000	*994463*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000429**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 20005
Client ID: **000615RW-3P**
Collection: 6/15/2000 Time: 11:55
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	6.9	ug/l	J RJ	5.6	18	206.2	tm	6/22/2000	994476	
Barium - ICAP	0.07	mg/l	RJ	0.007	0.02	200.7	tm	6/19/2000	994463	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	tm	6/21/2000	994462	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	6/19/2000	994463	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	6/19/2000	994463	
Iron - ICAP	3.5	mg/l	RJ	0.081	0.26	200.7	tm	6/19/2000	994463	
Lead - Furnace AA	4.2	ug/l	J RJ	1.5	4.8	239.2	tm	6/20/2000	994443	
Manganese - ICAP	0.04	mg/l	RJ	0.006	0.02	200.7	tm	6/19/2000	994463	
Mercury CV	<0.002	mg/l	RJ	0.0002	0.0006	245.1	tm	6/23/2000	994499	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	6/19/2000	994463	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	6/22/2000	994478	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	6/19/2000	994463	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	tm	6/21/2000	994465	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	tm	6/19/2000	994463	

Nova Sample Number: 20006
Client ID: **000615RW-4P**
Collection: 6/15/2000 Time: 12:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/22/2000	994476	
Barium - ICAP	0.08	mg/l	RJ	0.007	0.02	200.7	tm	6/19/2000	994463	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	tm	6/21/2000	994462	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	6/19/2000	994463	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	6/19/2000	994463	
Iron - ICAP	1.6	mg/l	RJ	0.081	0.26	200.7	tm	6/19/2000	994463	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	6/20/2000	994443	
Manganese - ICAP	0.04	mg/l	RJ	0.006	0.02	200.7	tm	6/19/2000	994463	
Mercury CV	<0.002	mg/l	RJ	0.0002	0.0006	245.1	tm	6/23/2000	994499	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	6/19/2000	994463	
Selenium - Furnace AA	6.8	ug/l	J RJ	4.8	15	270.2	tm	6/22/2000	994478	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	6/19/2000	994463	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	tm	6/21/2000	994465	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	tm	6/19/2000	994463	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000429**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 20007
Client ID: **000615RW-5P**
Collection: 6/15/2000 Time: 12:17
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**8.3**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	6/22/2000	*994476*	
Barium - ICAP	**0.07**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	6/19/2000	*994463*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/21/2000	*994462*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	6/19/2000	*994463*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*	
Iron - ICAP	**1**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	6/19/2000	*994463*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/20/2000	*994443*	
Manganese - ICAP	**0.03**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*	
Mercury CV	**<0.002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	6/23/2000	*994499*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	6/19/2000	*994463*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	6/22/2000	*994478*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	6/19/2000	*994463*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/21/2000	*994465*	
Zinc - ICAP	**0.2**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	6/19/2000	*994463*	

Nova Sample Number: 20008
Client ID: **000615RW-6P**
Collection: 6/15/2000 Time: 12:03
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**6.9**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	6/22/2000	*994476*	
Barium - ICAP	**0.07**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	6/19/2000	*994463*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/21/2000	*994462*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	6/19/2000	*994463*	
Copper- ICAP	**0.01**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*	
Iron - ICAP	**0.49**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	6/19/2000	*994463*	
Lead - Furnace AA	**1.8**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	6/20/2000	*994443*	
Manganese - ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/19/2000	*994463*	
Mercury CV	**<0.002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	6/23/2000	*994499*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	6/19/2000	*994463*	
Selenium - Furnace AA	**8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	6/22/2000	*994478*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	6/19/2000	*994463*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/21/2000	*994465*	
Zinc - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	6/19/2000	*994463*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000429**
DATE REPORTED:	06-Jul-00
DATE RECEIVED:	15-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
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

Approved By: _____ **Date:** 7-6-00

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: **20003** QC Prep Batch Number: 994440 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000615RW-1P** Sample Description: *Collection: 6/15/2000 Time: 12:32*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/19/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/19/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/19/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/19/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/19/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/19/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/19/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/19/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/19/2000

Sample Number: **20004** QC Prep Batch Number: 994440 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000615RW-2P** Sample Description: *Collection: 6/15/2000 Time: 11:42*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/19/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/19/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/19/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/19/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/19/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/19/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/19/2000

Sample Number: **20005** QC Prep Batch Number: 994440 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000615RW-3P** Sample Description: *Collection: 6/15/2000 Time: 11:55*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/19/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/19/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/19/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/19/2000

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APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/19/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/19/2000
cis-1,2-Dichloroethene	0.93	ug/l	0.27	0.86	7	1		8260	cps	6/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/19/2000
Methyl-t-butyl ether	0.77	ug/l	0.39	1.2	12	1	*J*	8260	cps	6/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/19/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/19/2000
Trichloroethene	0.37	ug/l	0.34	1.1	0.5	1	*J*	8260	cps	6/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/19/2000

Sample Number: **20006** QC Prep Batch Number: 994440 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000615RW-4P** Sample Description: *Collection: 6/15/2000 Time: 12:10*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/19/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/19/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/19/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/19/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/19/2000
cis-1,2-Dichloroethene	0.81	ug/l	0.27	0.86	7	1	*J*	8260	cps	6/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	1.1	ug/l	0.39	1.2	12	1	*J*	8260	cps	6/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/19/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/19/2000

Sample Number: **20007** QC Prep Batch Number: 994440 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000615RW-5P** Sample Description: *Collection: 6/15/2000 Time: 12:17*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1	8260	cps	6/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1	8260	cps	6/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1	8260	cps	6/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1	8260	cps	6/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1	8260	cps	6/19/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1	8260	cps	6/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1	8260	cps	6/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1	8260	cps	6/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1	8260	cps	6/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1	8260	cps	6/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1	8260	cps	6/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1	8260	cps	6/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1	8260	cps	6/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1	8260	cps	6/19/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1	8260	cps	6/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1	8260	cps	6/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1	8260	cps	6/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1	8260	cps	6/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1	8260	cps	6/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1	8260	cps	6/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1	8260	cps	6/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1	8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/19/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/19/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/19/2000
cis-1,2-Dichloroethene	0.91	ug/l	0.27	0.86	7	1		8260	cps	6/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/19/2000
Methyl-t-butyl ether	0.78	ug/l	0.39	1.2	12	1	*J*	8260	cps	6/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/19/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: **20008** QC Prep Batch Number: 994440 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000615RW-6P** Sample Description: *Collection: 6/15/2000 Time: 12:03*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/19/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/19/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/19/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/19/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/19/2000
Chloroform	2.1	ug/l	0.24	0.76	0.6	1		8260	cps	6/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/19/2000
cis-1,2-Dichloroethene	0.97	ug/l	0.27	0.86	7	1		8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/19/2000
Methyl-t-butyl ether	0.77	ug/l	0.39	1.2	12	1	*J*	8260	cps	6/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/19/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/19/2000

Sample Number: **20009** QC Prep Batch Number: 994440 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 6/15/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1	8260	cps	6/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1	8260	cps	6/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1	8260	cps	6/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1	8260	cps	6/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1	8260	cps	6/19/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1	8260	cps	6/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1	8260	cps	6/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1	8260	cps	6/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1	8260	cps	6/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1	8260	cps	6/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1	8260	cps	6/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1	8260	cps	6/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1	8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/19/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/19/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/19/2000
Acetone	33	ug/l	1.6	4.9	200	1		8260	cps	6/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/19/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/19/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/19/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/19/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000429**
DATE REPORTED: 20-Jun-00
DATE RECEIVED: 15-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/19/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/19/2000

Approved By: _____ **Date:** 7/6/00

James Chang, Ph.D. , Lab Director

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

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

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ORGANIC REPORT

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DEPT. OF NATURAL RESOURCES
SD HEADQUARTERS

WDNR# 241340550

BATCH NUMBER: **20000447**
DATE REPORTED: 22-Jun-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: **20081** QC Prep Batch Number: 994467 *Sample analyzed within 1 Day(s) from collection.*

Client ID: **000619WA01P** Sample Description: *Collection: 6/19/2000 Time: 09:20*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	6/20/2000
1,1,1-Trichloroethane	156	ug/l	3.1	9.9	40	10		8260	cps	6/20/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	6/20/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	6/20/2000
1,1-Dichloroethane	33	ug/l	3.2	10	85	10		8260	cps	6/20/2000
1,1-Dichloroethene	16	ug/l	3.4	11	0.7	10		8260	cps	6/20/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	6/20/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	6/20/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	6/20/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	6/20/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/20/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	6/20/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	6/20/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	6/20/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	6/20/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	6/20/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	6/20/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	6/20/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	6/20/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	6/20/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	6/20/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	6/20/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	6/20/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/20/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	6/20/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	6/20/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	6/20/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/20/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/20/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	6/20/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	6/20/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	6/20/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	6/20/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/20/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	6/20/2000
Chloroethane	< 6.4	ug/l	6.4	20	80	10		8260	cps	6/20/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	6/20/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	6/20/2000
cis-1,2-Dichloroethene	54	ug/l	2.7	8.6	7	10		8260	cps	6/20/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	6/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000447**
DATE REPORTED: 22-Jun-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 4.1	ug/l	4.1	13	6	10		8260	cps	6/20/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	6/20/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	6/20/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	6/20/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	6/20/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	6/20/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	6/20/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	6/20/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	6/20/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	6/20/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	6/20/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	6/20/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	6/20/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	6/20/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/20/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	6/20/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	6/20/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/20/2000
Tetrachloroethene	6.4	ug/l	3.1	9.9	0.5	10	J	8260	cps	6/20/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	6/20/2000
trans-1,2-Dichloroethene	18	ug/l	2.5	8	20	10		8260	cps	6/20/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	6/20/2000
Trichloroethene	539	ug/l	3.4	11	0.5	10		8260	cps	6/20/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	6/20/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	6/20/2000

Sample Number: **20086** QC Prep Batch Number: 994467 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000619WA07P** Sample Description: *Collection: 6/19/2000 Time: 09:36*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/20/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/20/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/20/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/20/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/20/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/20/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/20/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/20/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/20/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/20/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/20/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/20/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000447**
DATE REPORTED: 22-Jun-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/20/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/20/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/20/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/20/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/20/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/20/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/20/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/20/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/20/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/20/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/20/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/20/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/20/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/20/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/20/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/20/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/20/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/20/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/20/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/20/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/20/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/20/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/20/2000
cis-1,2-Dichloroethene	0.29	ug/l	0.27	0.86	7	1	*J*	8260	cps	6/20/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/20/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/20/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/20/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/20/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/20/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/20/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/20/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/20/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/20/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/20/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/20/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/20/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/20/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/20/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/20/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/20/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000447**
DATE REPORTED: 22-Jun-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/20/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/20/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/20/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/20/2000
Trichloroethene	0.74	ug/l	0.34	1.1	0.5	1	J	8260	cps	6/20/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/20/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/20/2000

Sample Number: **20087** QC Prep Batch Number: 994467 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000619WA08P** Sample Description: *Collection: 6/19/2000 Time: 09:33*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/20/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/20/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/20/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/20/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/20/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/20/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/20/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/20/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/20/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/20/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/20/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/20/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/20/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/20/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/20/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/20/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/20/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/20/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/20/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/20/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/20/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/20/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/20/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/20/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/20/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/20/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/20/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/20/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000447**
DATE REPORTED: 22-Jun-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/20/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/20/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/20/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/20/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/20/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/20/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/20/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/20/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/20/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/20/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/20/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/20/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/20/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/20/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/20/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/20/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/20/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/20/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/20/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/20/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/20/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/20/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/20/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/20/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/20/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/20/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/20/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/20/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/20/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/20/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/20/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/20/2000

Sample Number: **20088** QC Prep Batch Number: 994467 *Sample analyzed within 1 Day(s) from collection.*

Client ID: **Trip Blank** Sample Description: *Collection: 6/19/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/20/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/20/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/20/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/20/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000447**
DATE REPORTED: 22-Jun-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/20/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/20/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/20/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/20/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/20/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/20/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/20/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/20/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/20/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/20/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/20/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/20/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/20/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/20/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/20/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/20/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/20/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/20/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/20/2000
Acetone	32	ug/l	1.6	4.9	200	1		8260	cps	6/20/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/20/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/20/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/20/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/20/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/20/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/20/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/20/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/20/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/20/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/20/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/20/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/20/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/20/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/20/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/20/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/20/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/20/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/20/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/20/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000447**
DATE REPORTED: 22-Jun-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/20/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/20/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/20/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/20/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/20/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/20/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/20/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/20/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/20/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/20/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/20/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/20/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/20/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/20/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/20/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/20/2000

Sample Number: **20089** QC Prep Batch Number: 994467 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000619WA09P** Sample Description: *Collection: 6/19/2000 Time: 09:30*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/20/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/20/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/20/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/20/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/20/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/20/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/20/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/20/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/20/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/20/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/20/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/20/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/20/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/20/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/20/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/20/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/20/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/20/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/20/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/20/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000447**
DATE REPORTED: 22-Jun-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/20/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/20/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/20/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/20/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/20/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/20/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/20/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/20/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/20/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/20/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/20/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/20/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/20/2000
Chloroform	0.89	ug/l	0.24	0.76	0.6	1		8260	cps	6/20/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/20/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/20/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/20/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/20/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/20/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/20/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/20/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/20/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/20/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/20/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/20/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/20/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/20/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/20/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/20/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/20/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/20/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/20/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/20/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/20/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/20/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/20/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/20/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/20/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/20/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/20/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/20/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000447**
DATE REPORTED:	22-Jun-00
DATE RECEIVED:	19-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
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

Approved By: _____ **Date:** 7/6/00

James Chang, Ph.D. , Lab Director

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

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

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000447
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 20081
Client ID: **000619WA01P**
Collection: 6/19/2000 Time: 09:20
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	6.9	ug/l	J RJ	5.6	18	206.2	tm	6/22/2000	994476	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	tm	6/23/2000	994514	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	tm	6/21/2000	994462	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	6/23/2000	994514	
Copper- ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	tm	6/23/2000	994514	
Iron - ICAP	1.1	mg/l	RJ	0.081	0.26	200.7	tm	6/23/2000	994514	
Lead - Furnace AA	2.2	ug/l	J RJ	1.5	4.8	239.2	tm	6/20/2000	994443	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	tm	6/23/2000	994514	
Mercury CV	<0.002	mg/l	RJ	0.0002	0.0006	245.1	tm	6/23/2000	994499	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	tm	6/23/2000	994514	
Selenium - Furnace AA	6.9	ug/l	J RJ	4.8	15	270.2	tm	6/22/2000	994478	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	6/23/2000	994514	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	tm	6/21/2000	994465	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	tm	6/23/2000	994514	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	ta	6/21/2000	994539	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	6/28/2000	994535	
Cyanide, Total	0.02	mg/l		0.006	0.02	335.2	dmd	6/21/2000	994459	
pH (water)	7.4	s.u.	#			150.1	tn	6/22/2000	994483	

Nova Sample Number: 20082
Client ID: **000619WA09R**
Collection: 6/19/2000 Time: 09:40
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/22/2000	994476	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	tm	6/23/2000	994514	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	tm	6/21/2000	994462	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	6/23/2000	994514	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	6/23/2000	994514	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	tm	6/23/2000	994514	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	6/20/2000	994443	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	6/23/2000	994514	
Mercury CV	<0.002	mg/l	RJ	0.0002	0.0006	245.1	tm	6/23/2000	994499	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	6/23/2000	994514	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000447**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 19-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	6/22/2000	*994478*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	6/23/2000	*994514*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/21/2000	*994465*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	tm	6/23/2000	*994514*	
Nova Sample Number: 20083										
Client ID: **000619WA02P**								Collection: 6/19/2000		Time: 09:22
								Sample Description:		
pH (water)	**9.4**	**s.u.**	**#**			150.1	tn	6/22/2000	*994483*	
Nova Sample Number: 20084										
Client ID: **000619WA03P**								Collection: 6/19/2000		Time: 09:24
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	tn	6/22/2000	*994483*	
Nova Sample Number: 20085										
Client ID: **000619WA05P**								Collection: 6/19/2000		Time: 09:27
								Sample Description:		
pH (water)	**7.8**	**s.u.**	**#**			150.1	tn	6/22/2000	*994483*	
Nova Sample Number: 20089										
Client ID: **000619WA09P**								Collection: 6/19/2000		Time: 09:30
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	6/21/2000	*994539*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/28/2000	*994535*	
Cyanide, Total	**0.01**	**mg/l**	***J***	0.006	0.02	335.2	dmd	6/21/2000	*994459*	
pH (water)	**7.7**	**s.u.**	**#**			150.1	tn	6/22/2000	*994483*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000447**
DATE REPORTED:	06-Jul-00
DATE RECEIVED:	19-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
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

Approved By: _____ **Date:** 7/6/00

James Chang, Ph.D. Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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INORGANIC REPORT

Dr. James Chang
APL Environmental
8222 W. Calumet Road
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WDNR# 241340550

INVOICE NUMBER	**20000462**
DATE REPORTED:	06-Jul-00
DATE RECEIVED:	26-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEKLY SAM
PROJECT NAME:	OGTP

Nova Sample Number: 20140
Client ID: **000626WA01P**
Collection: 6/26/2000 Time: 13:30
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		5.6	18	206.2	tm	6/29/2000	*994584*	
Barium - ICAP	**0.08**	**mg/l**	RJ	0.007	0.02	200.7	tm	6/29/2000	*994554*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	TTR	0.7	2.2	213.2	tm	6/30/2000	*994586*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	RJ	0.008	0.03	200.7	tm	6/29/2000	*994554*	
Copper- ICAP	**<0.006**	**mg/l**	RJ	0.006	0.02	200.7	tm	6/29/2000	*994554*	
Iron - ICAP	**1.1**	**mg/l**	RJ	0.081	0.26	200.7	tm	6/29/2000	*994554*	
Lead - Furnace AA	**<1.5**	**ug/l**	RJ	1.5	4.8	239.2	tm	6/29/2000	*994585*	
Manganese - ICAP	**0.13**	**mg/l**	RJ	0.006	0.02	200.7	tm	6/29/2000	*994554*	
Mercury CV	**0.0003**	**mg/l**	*J* RJ	0.0002	0.0006	245.1	tm	6/29/2000	*994590*	
Nickel - ICAP	**0.03**	**mg/l**	*J* RJ	0.011	0.03	200.7	tm	6/29/2000	*994554*	
Selenium - Furnace AA	**15**	**ug/l**	*J* RJ	4.8	15	270.2	tm	6/30/2000	*994588*	
Silver - ICAP	**<0.004**	**mg/l**	RJ	0.004	0.01	200.7	tm	6/29/2000	*994554*	
Thallium - Furnace AA	**<1.7**	**ug/l**	RJ	1.7	5.4	279.2	tm	6/30/2000	*994587*	
Zinc - ICAP	**<0.014**	**mg/l**	RJ	0.014	0.04	200.7	tm	6/29/2000	*994554*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/27/2000	*994581*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/28/2000	*994535*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	6/28/2000	*994536*	
pH (water)	**7.4**	**s.u.**	#			150.1	tn	6/30/2000	*994558*	

Nova Sample Number: 20141
Client ID: **000626WA09R**
Collection: 6/26/2000 Time: 14:15
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		5.6	18	206.2	tm	6/29/2000	*994584*	
Barium - ICAP	**0.01**	**mg/l**	*J* RJ	0.007	0.02	200.7	tm	6/29/2000	*994554*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	TTR	0.7	2.2	213.2	tm	6/30/2000	*994586*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	RJ	0.008	0.03	200.7	tm	6/29/2000	*994554*	
Copper- ICAP	**<0.006**	**mg/l**	RJ	0.006	0.02	200.7	tm	6/29/2000	*994554*	
Iron - ICAP	**0.11**	**mg/l**	*J* RJ	0.081	0.26	200.7	tm	6/29/2000	*994554*	
Lead - Furnace AA	**<1.5**	**ug/l**	RJ	1.5	4.8	239.2	tm	6/29/2000	*994585*	
Manganese - ICAP	**<0.006**	**mg/l**	RJ	0.006	0.02	200.7	tm	6/29/2000	*994554*	
Mercury CV	**<0.0002**	**mg/l**	RJ	0.0002	0.0006	245.1	tm	6/29/2000	*994590*	
Nickel - ICAP	**0.01**	**mg/l**	*J* RJ	0.011	0.03	200.7	tm	6/29/2000	*994554*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000462
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 26-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEKLY SAM
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
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	6/30/2000	*994588*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	6/29/2000	*994554*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/30/2000	*994587*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	tm	6/29/2000	*994554*	
Nova Sample Number: 20142										
Client ID: **000626WA02P**								Collection: 6/26/2000	Time: 13:40	
								Sample Description:		
pH (water)	**9.2**	**s.u.**	**#**			150.1	tn	6/30/2000	*994558*	
Nova Sample Number: 20143										
Client ID: **000626WA03P**								Collection: 6/26/2000	Time: 13:40	
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	tn	6/30/2000	*994558*	
Nova Sample Number: 20144										
Client ID: **000626WA05P**								Collection: 6/26/2000	Time: 13:50	
								Sample Description:		
pH (water)	**7.2**	**s.u.**	**#**			150.1	tn	6/30/2000	*994558*	
Nova Sample Number: 20148										
Client ID: **000626WA09P**								Collection: 6/26/2000	Time: 14:10	
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/27/2000	*994581*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/28/2000	*994535*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	6/28/2000	*994536*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	tn	6/30/2000	*994558*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000462**
DATE REPORTED:	06-Jul-00
DATE RECEIVED:	26-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEKLY SAM
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

Approved By: _____ **Date:** 7/6/00

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000462**
DATE REPORTED: 29-Jun-00
DATE RECEIVED: 26-Jun-00
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

Sample Number: **20140** QC Prep Batch Number: 994548 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000626WA01P** Sample Description: *Collection: 6/26/2000 Time: 13:30*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	6/27/2000
1,1,1-Trichloroethane	206	ug/l	3.1	9.9	40	10		8260	cps	6/27/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	6/27/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	6/27/2000
1,1-Dichloroethane	34	ug/l	3.2	10	85	10		8260	cps	6/27/2000
1,1-Dichloroethene	14	ug/l	3.4	11	0.7	10		8260	cps	6/27/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	6/27/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	6/27/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	6/27/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	6/27/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/27/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	6/27/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	6/27/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	6/27/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	6/27/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	6/27/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	6/27/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	6/27/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	6/27/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	6/27/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	6/27/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	6/27/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	6/27/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/27/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	6/27/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	6/27/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	6/27/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/27/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/27/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	6/27/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	6/27/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	6/27/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	6/27/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/27/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	6/27/2000
Chloroethane	< 6.4	ug/l	6.4	20	80	10		8260	cps	6/27/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	6/27/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	6/27/2000
cis-1,2-Dichloroethene	52	ug/l	2.7	8.6	7	10		8260	cps	6/27/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	6/27/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000462**
DATE REPORTED: 29-Jun-00
DATE RECEIVED: 26-Jun-00
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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 4.1	ug/l	4.1	13	6	10		8260	cps	6/27/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	6/27/2000
Dichlorodifluoromethane	3.9	ug/l	2.7	8.6	200	10	J	8260	cps	6/27/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	6/27/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	6/27/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	6/27/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	6/27/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	6/27/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	6/27/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	6/27/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	6/27/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	6/27/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	6/27/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	6/27/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/27/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	6/27/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	6/27/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	6/27/2000
Tetrachloroethene	6	ug/l	3.1	9.9	0.5	10	J	8260	cps	6/27/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	6/27/2000
trans-1,2-Dichloroethene	17	ug/l	2.5	8	20	10		8260	cps	6/27/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	6/27/2000
Trichloroethene	585	ug/l	3.4	11	0.5	10		8260	cps	6/27/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	6/27/2000
Vinyl chloride	2.1	ug/l	2.1	6.7	0.02	10		8260	cps	6/27/2000

Sample Number: **20145** QC Prep Batch Number: 994548 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000626WA07P** Sample Description: *Collection: 6/26/2000 Time: 13:55*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/27/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/27/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/27/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/27/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/27/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/27/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/27/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/27/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/27/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/27/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/27/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/27/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/27/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000462**
DATE REPORTED: 29-Jun-00
DATE RECEIVED: 26-Jun-00
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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/27/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/27/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/27/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/27/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/27/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/27/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/27/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/27/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/27/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/27/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/27/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/27/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/27/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/27/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/27/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/27/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/27/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/27/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/27/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/27/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/27/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/27/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/27/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/27/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/27/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/27/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/27/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/27/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/27/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/27/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/27/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/27/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/27/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/27/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/27/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/27/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/27/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/27/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/27/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/27/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/27/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000462**
DATE REPORTED: 29-Jun-00
DATE RECEIVED: 26-Jun-00
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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/27/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/27/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/27/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/27/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/27/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/27/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/27/2000

Sample Number: **20146** QC Prep Batch Number: 994548 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000626WA08P** Sample Description: *Collection: 6/26/2000 Time: 14:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/27/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/27/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/27/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/27/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/27/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/27/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/27/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/27/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/27/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/27/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/27/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/27/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/27/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/27/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/27/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/27/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/27/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/27/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/27/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/27/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/27/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/27/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/27/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/27/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/27/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/27/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/27/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/27/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/27/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000462**
DATE REPORTED: 29-Jun-00
DATE RECEIVED: 26-Jun-00
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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/27/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/27/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/27/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/27/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/27/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/27/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/27/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/27/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/27/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/27/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/27/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/27/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/27/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/27/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/27/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/27/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/27/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/27/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/27/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/27/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/27/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/27/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/27/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/27/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/27/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/27/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/27/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/27/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/27/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/27/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/27/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/27/2000

Sample Number: **20147** QC Prep Batch Number: 994548 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **TRIP BLANK** Sample Description: *Collection: 6/26/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/27/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/27/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/27/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/27/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/27/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000462**
DATE REPORTED: 29-Jun-00
DATE RECEIVED: 26-Jun-00
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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/27/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/27/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/27/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/27/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/27/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/27/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/27/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/27/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/27/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/27/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/27/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/27/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/27/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/27/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/27/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/27/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/27/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/27/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/27/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/27/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/27/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/27/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/27/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/27/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/27/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/27/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/27/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/27/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/27/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/27/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/27/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/27/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/27/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	. 6	1		8260	cps	6/27/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/27/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/27/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/27/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/27/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/27/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/27/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000462**
DATE REPORTED: 29-Jun-00
DATE RECEIVED: 26-Jun-00
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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/27/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/27/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/27/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/27/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/27/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/27/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/27/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/27/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/27/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/27/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/27/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/27/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/27/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/27/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/27/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/27/2000

Sample Number: **20148** QC Prep Batch Number: 994548 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000626WA09P** Sample Description: *Collection: 6/26/2000 Time: 14:10*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/27/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/27/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/27/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/27/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/27/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/27/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/27/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/27/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/27/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/27/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/27/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/27/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/27/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/27/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/27/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/27/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/27/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/27/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/27/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/27/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/27/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000462**
DATE REPORTED:	29-Jun-00
DATE RECEIVED:	26-Jun-00
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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/27/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/27/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/27/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/27/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/27/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/27/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/27/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/27/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/27/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/27/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/27/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/27/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/27/2000
Chloroform	0.25	ug/l	0.24	0.76	0.6	1	*J*	8260	cps	6/27/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/27/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/27/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/27/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/27/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/27/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/27/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/27/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/27/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/27/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/27/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/27/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/27/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/27/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/27/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/27/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/27/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/27/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/27/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/27/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/27/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/27/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/27/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/27/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/27/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/27/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	6/27/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/27/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000462**
DATE REPORTED:	29-Jun-00
DATE RECEIVED:	26-Jun-00
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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal

Approved By: _____ **Date:** 7/6/00

James Chang, Ph.D., Lab Director

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

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

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ORGANIC REPORT

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SD HEADQUARTERS

WDNR# 241340550

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

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Sample Number: **19852** QC Prep Batch Number: 994340 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00606MW12BP** Sample Description: *Collection: 6/6/2000 Time: 12:10*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/8/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/8/2000
Acetone	3260	ug/l	1.6	4.9	200	1		8260	cps	6/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Chlorobenzene	0.75	ug/l	0.26	0.83	20	1	J	8260	cps	6/8/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/8/2000

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
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WDNR# 241340550

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/8/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/8/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/8/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/8/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/8/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/8/2000
Trichlorofluoromethane	0.26	ug/l	0.24	0.76	ns	1	B J	8260	cps	6/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/8/2000

Sample Number: **19853** QC Prep Batch Number: 994340 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00606MW12DP** Sample Description: *Collection: 6/6/2000 Time: 11:35*

1,1,1,2-Tetrachloroethane	< 0.73	ug/l	0.73	2.3	ns	3.333		8260	cps	6/8/2000
1,1,1-Trichloroethane	67	ug/l	1	3.3	40	3.333		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 1.5	ug/l	1.5	4.7	0.02	3.333		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 1.5	ug/l	1.5	4.7	0.5	3.333		8260	cps	6/8/2000
1,1-Dichloroethane	54	ug/l	1.1	3.4	85	3.333		8260	cps	6/8/2000
1,1-Dichloroethene	22	ug/l	1.1	3.6	0.7	3.333		8260	cps	6/8/2000
1,1-Dichloropropene	< 1.4	ug/l	1.4	4.6	ns	3.333		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	< 1.7	ug/l	1.7	5.3	ns	3.333		8260	cps	6/8/2000
1,2,3-Trichloropropane	< 1.7	ug/l	1.7	5.4	ns	3.333		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5	14	3.333		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	< 1	ug/l	1	3.2	ns	3.333		8260	cps	6/8/2000
1,2-Dibromoethane	< 1.5	ug/l	1.5	4.9	0.005	3.333		8260	cps	6/8/2000
1,2-Dichlorobenzene	< 1.1	ug/l	1.1	3.6	60	3.333		8260	cps	6/8/2000
1,2-Dichloroethane	< 1.2	ug/l	1.2	3.7	0.5	3.333		8260	cps	6/8/2000

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PROJECT ID: OGTP
PROJECT NAME:

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	< 1.1	ug/l	1.1	3.4	0.5	3.333		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 1.1	ug/l	1.1	3.6	ns	3.333		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	125	3.333		8260	cps	6/8/2000
1,3-Dichloropropane	< 1.3	ug/l	1.3	4.1	ns	3.333		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 1.2	ug/l	1.2	3.8	15	3.333		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 1.1	ug/l	1.1	3.5	0.02	3.333		8260	cps	6/8/2000
2,2-Dichloropropane	< 0.9	ug/l	0.9	2.9	ns	3.333		8260	cps	6/8/2000
2-Butanone (MEK)	< 4.6	ug/l	4.6	15	90	3.333		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 2.3	ug/l	2.3	7.4	ns	3.333		8260	cps	6/8/2000
2-Chlorotoluene	< 1	ug/l	1	3.2	ns	3.333		8260	cps	6/8/2000
4-Chlorotoluene	< 0.87	ug/l	0.87	2.8	ns	3.333		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 2.7	ug/l	2.7	8.5	50	3.333		8260	cps	6/8/2000
Acetone	< 5.2	ug/l	5.2	16	200	3.333		8260	cps	6/8/2000
Benzene	< 0.9	ug/l	0.9	2.9	0.5	3.333		8260	cps	6/8/2000
Bromobenzene	< 1	ug/l	1	3.3	ns	3.333		8260	cps	6/8/2000
Bromochloromethane	< 1.2	ug/l	1.2	3.9	ns	3.333		8260	cps	6/8/2000
Bromodichloromethane	< 1.3	ug/l	1.3	4	0.06	3.333		8260	cps	6/8/2000
Bromoform	< 1.3	ug/l	1.3	4.1	0.44	3.333		8260	cps	6/8/2000
Bromomethane	< 2.2	ug/l	2.2	6.9	1	3.333		8260	cps	6/8/2000
Carbon tetrachloride	< 0.9	ug/l	0.9	2.9	0.5	3.333		8260	cps	6/8/2000
Chlorobenzene	< 0.87	ug/l	0.87	2.8	20	3.333		8260	cps	6/8/2000
Chloroethane	< 2.1	ug/l	2.1	6.8	80	3.333		8260	cps	6/8/2000
Chloroform	< 0.8	ug/l	0.8	2.5	0.6	3.333		8260	cps	6/8/2000
Chloromethane	< 1.6	ug/l	1.6	5.2	0.3	3.333		8260	cps	6/8/2000
cis-1,2-Dichloroethene	13	ug/l	0.9	2.9	7	3.333		8260	cps	6/8/2000
cis-1,3-Dichloropropene	< 1.2	ug/l	1.2	3.9	0.02	3.333		8260	cps	6/8/2000
Dibromochloromethane	< 1.4	ug/l	1.4	4.3	6	3.333		8260	cps	6/8/2000
Dibromomethane	< 1.5	ug/l	1.5	4.9	ns	3.333		8260	cps	6/8/2000
Dichlorodifluoromethane	< 0.9	ug/l	0.9	2.9	200	3.333		8260	cps	6/8/2000
Ethylbenzene	< 0.83	ug/l	0.83	2.7	140	3.333		8260	cps	6/8/2000
Hexachlorobutadiene	< 1.4	ug/l	1.4	4.5	ns	3.333		8260	cps	6/8/2000
Isopropyl Ether	< 1	ug/l	1	3.2	ns	3.333		8260	cps	6/8/2000
Isopropylbenzene	< 1.1	ug/l	1.1	3.5	ns	3.333		8260	cps	6/8/2000
m&p-xylene	< 1.8	ug/l	1.8	5.6	124	3.333		8260	cps	6/8/2000
Methyl-t-butyl ether	< 1.3	ug/l	1.3	4.1	12	3.333		8260	cps	6/8/2000
Methylene chloride	< 1	ug/l	1	3.2	0.5	3.333		8260	cps	6/8/2000
n-Butylbenzene	< 1.2	ug/l	1.2	3.8	ns	3.333		8260	cps	6/8/2000
n-Propylbenzene	< 0.93	ug/l	0.93	3	ns	3.333		8260	cps	6/8/2000
Naphthalene	< 2.5	ug/l	2.5	8	8	3.333		8260	cps	6/8/2000
o-xylene	< 0.83	ug/l	0.83	2.7	124	3.333		8260	cps	6/8/2000
p-Isopropyltoluene	< 1	ug/l	1	3.3	ns	3.333		8260	cps	6/8/2000
sec-Butylbenzene	< 1.1	ug/l	1.1	3.6	ns	3.333		8260	cps	6/8/2000
Styrene	< 0.83	ug/l	0.83	2.7	10	3.333		8260	cps	6/8/2000

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ORGANIC REPORT

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DATE REPORTED: 09-Jun-00
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 1	ug/l	1	3.2	ns	3.333		8260	cps	6/8/2000
Tetrachloroethene	< 1	ug/l	1	3.3	0.5	3.333		8260	cps	6/8/2000
Toluene	< 0.97	ug/l	0.97	3.1	68.6	3.333		8260	cps	6/8/2000
trans-1,2-Dichloroethene	4.1	ug/l	0.83	2.7	20	3.333		8260	cps	6/8/2000
trans-1,3-Dichloropropene	< 0.87	ug/l	0.87	2.8	0.02	3.333		8260	cps	6/8/2000
Trichloroethene	14	ug/l	1.1	3.6	0.5	3.333		8260	cps	6/8/2000
Trichlorofluoromethane	0.97	ug/l	0.8	2.5	ns	3.333	B J	8260	cps	6/8/2000
Vinyl chloride	< 0.7	ug/l	0.7	2.2	0.02	3.333		8260	cps	6/8/2000

Sample Number: **19854** QC Prep Batch Number: 994340 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00606MW13SP** Sample Description: *Collection: 6/6/2000 Time: 13:05*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/8/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/8/2000

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ORGANIC REPORT

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DATE REPORTED: 09-Jun-00
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/8/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/8/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/8/2000
Methylene chloride	0.44	ug/l	0.3	0.95	0.5	1	*J*	8260	cps	6/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/8/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/8/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/8/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/8/2000
Trichlorofluoromethane	0.32	ug/l	0.24	0.76	ns	1	B *J*	8260	cps	6/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/8/2000

Sample Number: **19855** QC Prep Batch Number: 994340 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **006306WA01P** Sample Description: *Collection: 6/6/2000 Time: 09:05*

1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	6/8/2000
1,1,1-Trichloroethane	164	ug/l	3.1	9.9	40	10		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	6/8/2000
1,1-Dichloroethane	26	ug/l	3.2	10	85	10		8260	cps	6/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	12	ug/l	3.4	11	0.7	10		8260	cps	6/8/2000
1,1-Dichloropropene	<4.3	ug/l	4.3	14	ns	10		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	<5	ug/l	5	16	ns	10		8260	cps	6/8/2000
1,2,3-Trichloropropane	<5.1	ug/l	5.1	16	ns	10		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	<4.7	ug/l	4.7	15	14	10		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	6/8/2000
1,2-Dibromoethane	<4.6	ug/l	4.6	15	0.005	10		8260	cps	6/8/2000
1,2-Dichlorobenzene	<3.4	ug/l	3.4	11	60	10		8260	cps	6/8/2000
1,2-Dichloroethane	<3.5	ug/l	3.5	11	0.5	10		8260	cps	6/8/2000
1,2-Dichloropropane	<3.2	ug/l	3.2	10	0.5	10		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	6/8/2000
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8.3	125	10		8260	cps	6/8/2000
1,3-Dichloropropane	<3.9	ug/l	3.9	12	ns	10		8260	cps	6/8/2000
1,4-Dichlorobenzene	<3.6	ug/l	3.6	11	15	10		8260	cps	6/8/2000
12Dibromo-3-chloropropan	<3.3	ug/l	3.3	10	0.02	10		8260	cps	6/8/2000
2,2-Dichloropropane	<2.7	ug/l	2.7	8.6	ns	10		8260	cps	6/8/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	<7	ug/l	7	22	ns	10		8260	cps	6/8/2000
2-Chlorotoluene	<3	ug/l	3	9.5	ns	10		8260	cps	6/8/2000
4-Chlorotoluene	<2.6	ug/l	2.6	8.3	ns	10		8260	cps	6/8/2000
4-Methyl-2-Pentanone	<8	ug/l	8	25	50	10		8260	cps	6/8/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	6/8/2000
Benzene	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/8/2000
Bromobenzene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/8/2000
Bromochloromethane	<3.7	ug/l	3.7	12	ns	10		8260	cps	6/8/2000
Bromodichloromethane	<3.8	ug/l	3.8	12	0.06	10		8260	cps	6/8/2000
Bromoform	<3.9	ug/l	3.9	12	0.44	10		8260	cps	6/8/2000
Bromomethane	<6.5	ug/l	6.5	21	1	10		8260	cps	6/8/2000
Carbon tetrachloride	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	6/8/2000
Chlorobenzene	<2.6	ug/l	2.6	8.3	20	10		8260	cps	6/8/2000
Chloroethane	<6.4	ug/l	6.4	20	80	10		8260	cps	6/8/2000
Chloroform	<2.4	ug/l	2.4	7.6	0.6	10		8260	cps	6/8/2000
Chloromethane	<4.9	ug/l	4.9	16	0.3	10		8260	cps	6/8/2000
cis-1,2-Dichloroethene	44	ug/l	2.7	8.6	7	10		8260	cps	6/8/2000
cis-1,3-Dichloropropene	<3.7	ug/l	3.7	12	0.02	10		8260	cps	6/8/2000
Dibromochloromethane	<4.1	ug/l	4.1	13	6	10		8260	cps	6/8/2000
Dibromomethane	<4.6	ug/l	4.6	15	ns	10		8260	cps	6/8/2000
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	200	10		8260	cps	6/8/2000
Ethylbenzene	<2.5	ug/l	2.5	8	140	10		8260	cps	6/8/2000
Hexachlorobutadiene	<4.2	ug/l	4.2	13	ns	10		8260	cps	6/8/2000
Isopropyl Ether	<3	ug/l	3	9.5	ns	10		8260	cps	6/8/2000
Isopropylbenzene	<3.3	ug/l	3.3	10	ns	10		8260	cps	6/8/2000
m&p-xylene	<5.3	ug/l	5.3	17	124	10		8260	cps	6/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	<3.9	ug/l	3.9	12	12	10		8260	cps	6/8/2000
Methylene chloride	<3	ug/l	3	9.5	0.5	10		8260	cps	6/8/2000
n-Butylbenzene	<3.6	ug/l	3.6	11	ns	10		8260	cps	6/8/2000
n-Propylbenzene	<2.8	ug/l	2.8	8.9	ns	10		8260	cps	6/8/2000
Naphthalene	<7.5	ug/l	7.5	24	8	10		8260	cps	6/8/2000
o-xylene	<2.5	ug/l	2.5	8	124	10		8260	cps	6/8/2000
p-Isopropyltoluene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	6/8/2000
sec-Butylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	6/8/2000
Styrene	<2.5	ug/l	2.5	8	10	10		8260	cps	6/8/2000
tert-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	6/8/2000
Tetrachloroethene	6.4	ug/l	3.1	9.9	0.5	10	J	8260	cps	6/8/2000
Toluene	<2.9	ug/l	2.9	9.2	68.6	10		8260	cps	6/8/2000
trans-1,2-Dichloroethene	13	ug/l	2.5	8	20	10		8260	cps	6/8/2000
trans-1,3-Dichloropropene	<2.6	ug/l	2.6	8.3	0.02	10		8260	cps	6/8/2000
Trichloroethene	542	ug/l	3.4	11	0.5	10		8260	cps	6/8/2000
Trichlorofluoromethane	3.1	ug/l	2.4	7.6	ns	10	B J	8260	cps	6/8/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	6/8/2000

Sample Number: **19858** QC Prep Batch Number: 994340 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **006306WA07P** Sample Description: *Collection: 6/6/2000 Time: 09:33*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1	8260	cps	6/8/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1	8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1	8260	cps	6/8/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1	8260	cps	6/8/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1	8260	cps	6/8/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1	8260	cps	6/8/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1	8260	cps	6/8/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1	8260	cps	6/8/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1	8260	cps	6/8/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1	8260	cps	6/8/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1	8260	cps	6/8/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1	8260	cps	6/8/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1	8260	cps	6/8/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1	8260	cps	6/8/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1	0.5	1	8260	cps	6/8/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	ns	1	8260	cps	6/8/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	125	1	8260	cps	6/8/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	ns	1	8260	cps	6/8/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	15	1	8260	cps	6/8/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1	0.02	1	8260	cps	6/8/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	ns	1	8260	cps	6/8/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1	8260	cps	6/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/8/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/8/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/8/2000
Chloroform	0.85	ug/l	0.24	0.76	0.6	1		8260	cps	6/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/8/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/8/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/8/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/8/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/8/2000
Trichloroethene	0.99	ug/l	0.34	1.1	0.5	1	*J*	8260	cps	6/8/2000
Trichlorofluoromethane	0.26	ug/l	0.24	0.76	ns	1	B *J*	8260	cps	6/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Sample Number: **19861** QC Prep Batch Number: 994340 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **006306WA08P** Sample Description: *Collection: 6/6/2000 Time: 09:35*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/8/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/8/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/8/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	6/8/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/8/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	6/8/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	6/8/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/8/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	6/8/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	6/8/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	6/8/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/8/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/8/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/8/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	6/8/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	6/8/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	6/8/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/8/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/8/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	6/8/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/8/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/8/2000
Trichlorofluoromethane	0.25	ug/l	0.24	0.76	ns	1	B J	8260	cps	6/8/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/8/2000

Sample Number: **19862** QC Prep Batch Number: 994340 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 6/6/2000 Time:*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/8/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/8/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/8/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	6/8/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/8/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/8/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/8/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	6/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/8/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/8/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/8/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/8/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	6/8/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	6/8/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	6/8/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/8/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/8/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	6/8/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/8/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	6/8/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/8/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	6/8/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	6/8/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/8/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	6/8/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	6/8/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	6/8/2000
Methylene chloride	0.55	ug/l	0.3	0.95	0.5	1	J	8260	cps	6/8/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/8/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/8/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	6/8/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	6/8/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	6/8/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/8/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/8/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	6/8/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/8/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/8/2000
Trichlorofluoromethane	0.28	ug/l	0.24	0.76	ns	1	B J	8260	cps	6/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/8/2000

Sample Number: **19863** QC Prep Batch Number: 994340 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00606WA09P** Sample Description: *Collection: 6/6/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	6/8/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	6/8/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	6/8/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	6/8/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	6/8/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	6/8/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	6/8/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	6/8/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	6/8/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	6/8/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	6/8/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	6/8/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	6/8/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	6/8/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	6/8/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	6/8/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	6/8/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	6/8/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	6/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	6/8/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	6/8/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	6/8/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	6/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	6/8/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	6/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000406**
DATE REPORTED: 09-Jun-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromodichloromethane	<0.38	ug/l	0.38	1.2	0.06	1		8260	cps	6/8/2000
Bromoform	<0.39	ug/l	0.39	1.2	0.44	1		8260	cps	6/8/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1	1		8260	cps	6/8/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	6/8/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	20	1		8260	cps	6/8/2000
Chloroethane	<0.64	ug/l	0.64	2	80	1		8260	cps	6/8/2000
Chloroform	<0.24	ug/l	0.24	0.76	0.6	1		8260	cps	6/8/2000
Chloromethane	<0.49	ug/l	0.49	1.6	0.3	1		8260	cps	6/8/2000
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	7	1		8260	cps	6/8/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	6/8/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	6/8/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	6/8/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	6/8/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	6/8/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	6/8/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	6/8/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	6/8/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	6/8/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	6/8/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	6/8/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	6/8/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	6/8/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	6/8/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	6/8/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	6/8/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	6/8/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	6/8/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	6/8/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	6/8/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	6/8/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	6/8/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	6/8/2000
Trichlorofluoromethane	0.24	ug/l	0.24	0.76	ns	1	B	8260	cps	6/8/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	6/8/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000406**
DATE REPORTED:	09-Jun-00
DATE RECEIVED:	06-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal

Approved By: _____ **Date:** 7/6/00
James Chang, Ph.D., Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000406
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Nova Sample Number: 19852
Client ID: **00606MW12BP**
Collection: 6/6/2000 Time: 12:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/9/2000	994342	
Barium - ICAP	0.37	mg/l		0.007	0.02	200.7	tm	6/9/2000	994347	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/13/2000	994378	
Chromium, Total - ICAP	0.21	mg/l		0.008	0.03	200.7	tm	6/9/2000	994347	
Copper- ICAP	0.02	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347	
Iron - ICAP	35	mg/l		0.081	0.26	200.7	tm	6/9/2000	994347	
Lead - Furnace AA	5.3	ug/l	RJ	1.5	4.8	239.2	tm	6/13/2000	994380	
Manganese - ICAP	1.3	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	tm	6/19/2000	994425	
Nickel - ICAP	0.47	mg/l		0.011	0.03	200.7	tm	6/9/2000	994347	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	6/14/2000	994391	
Silver - ICAP	<0.011	mg/l		0.004	0.01	200.7	tm	6/9/2000	994347	
Thallium - Furnace AA	<1.7	ug/l		1.7	5.4	279.2	tm	6/8/2000	994330	
Zinc - ICAP	0.04	mg/l	J	0.014	0.04	200.7	tm	6/9/2000	994347	
Chromium, Hexavalent	0.02	mg/l		0.004	0.01	SM 3500D	12805	6/8/2000	994402	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2		6/13/2000	994376	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	6/13/2000	994373	
pH (water)	7.1	s.u.	#			150.1	jc	6/7/2000	994357	

Nova Sample Number: 19853
Client ID: **00606MW12DP**
Collection: 6/6/2000 Time: 11:35
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/9/2000	994342	
Barium - ICAP	0.05	mg/l		0.007	0.02	200.7	tm	6/9/2000	994347	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/13/2000	994378	
Chromium, Total - ICAP	0.01	mg/l	J	0.008	0.03	200.7	tm	6/9/2000	994347	
Copper- ICAP	0.07	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347	
Iron - ICAP	1.4	mg/l		0.081	0.26	200.7	tm	6/9/2000	994347	
Lead - Furnace AA	1.7	ug/l	J RJ	1.5	4.8	239.2	tm	6/13/2000	994380	
Manganese - ICAP	0.04	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	tm	6/19/2000	994425	
Nickel - ICAP	0.03	mg/l	J	0.011	0.03	200.7	tm	6/9/2000	994347	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000406
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**20**	**ug/l**	**RJ**	4.8	15	270.2	tm	6/14/2000	*994391*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/9/2000	*994347*	
Thallium - Furnace AA	**1.9**	**ug/l**	*J*	1.7	5.4	279.2	tm	6/8/2000	*994330*	
Zinc - ICAP	**0.02**	**mg/l**	*J*	0.014	0.04	200.7	tm	6/9/2000	*994347*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/8/2000	*994402*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2		6/13/2000	*994376*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**7.6**	**s.u.**	#			150.1	jc	6/7/2000	*994357*	

Nova Sample Number: 19854
Client ID: **00606MW13SP**
Collection: 6/6/2000 Time: 13:05
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/9/2000	*994342*	
Barium - ICAP	**0.03**	**mg/l**		0.007	0.02	200.7	tm	6/9/2000	*994347*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	dmd	6/13/2000	*994378*	
Chromium, Total - ICAP	**0.15**	**mg/l**		0.008	0.03	200.7	tm	6/9/2000	*994347*	
Copper- ICAP	**0.02**	**mg/l**		0.006	0.02	200.7	tm	6/9/2000	*994347*	
Iron - ICAP	**2.4**	**mg/l**		0.081	0.26	200.7	tm	6/9/2000	*994347*	
Lead - Furnace AA	**3.4**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	6/13/2000	*994380*	
Manganese - ICAP	**0.11**	**mg/l**		0.006	0.02	200.7	tm	6/9/2000	*994347*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/19/2000	*994425*	
Nickel - ICAP	**0.1**	**mg/l**		0.011	0.03	200.7	tm	6/9/2000	*994347*	
Selenium - Furnace AA	**14**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	6/14/2000	*994391*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/9/2000	*994347*	
Thallium - Furnace AA	**1.8**	**ug/l**	*J*	1.7	5.4	279.2	tm	6/8/2000	*994331*	
Zinc - ICAP	**0.01**	**mg/l**	*J*	0.014	0.04	200.7	tm	6/9/2000	*994347*	
Chromium, Hexavalent	**0.01**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	6/8/2000	*994402*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2		6/13/2000	*994376*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**7.5**	**s.u.**	#			150.1	jc	6/7/2000	*994357*	

Nova Sample Number: 19855
Client ID: **006306WA01P**
Collection: 6/6/2000 Time: 09:05
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/9/2000	*994342*	
Barium - ICAP	**0.1**	**mg/l**		0.007	0.02	200.7	tm	6/9/2000	*994347*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000406
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/13/2000	994378	
Chromium, Total - ICAP	0.008	mg/l	J	0.008	0.03	200.7	tm	6/9/2000	994347	
Copper- ICAP	0.02	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347	
Iron - ICAP	0.99	mg/l		0.081	0.26	200.7	tm	6/9/2000	994347	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	6/13/2000	994380	
Manganese - ICAP	0.15	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	tm	6/19/2000	994425	
Nickel - ICAP	0.03	mg/l	J	0.011	0.03	200.7	tm	6/9/2000	994347	
Selenium - Furnace AA	4.6	ug/l	J RJ	4.8	15	270.2	tm	6/14/2000	994391	
Silver - ICAP	<0.004	mg/l		0.004	0.01	200.7	tm	6/9/2000	994347	
Thallium - Furnace AA	<1.7	ug/l		1.7	5.4	279.2	tm	6/8/2000	994331	
Zinc - ICAP	<0.014	mg/l		0.014	0.04	200.7	tm	6/9/2000	994347	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	12805	6/8/2000	994402	
COD. Total	18	mg/l		3.4	11	410.4-CT	12805	6/8/2000	994403	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	6/21/2000	994457	
Cyanide, Total	0.008	mg/l	J	0.006	0.02	335.2	dmd	6/13/2000	994373	
pH (water)	7.5	s.u.	#			150.1	jc	6/7/2000	994357	
Solids, Total Suspended	1	mg/l	J	1	3.2	SM 2540D	tm	6/13/2000	994394	

Nova Sample Number: 19856
Client ID: **00606WA09R**

Collection: 6/6/2000 Time: 09:40
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/9/2000	994342
Barium - ICAP	0.01	mg/l	J	0.007	0.02	200.7	tm	6/9/2000	994347
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/13/2000	994378
Chromium, Total - ICAP	0.008	mg/l	J	0.008	0.03	200.7	tm	6/9/2000	994347
Copper- ICAP	<0.006	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347
Iron - ICAP	0.12	mg/l	J	0.081	0.26	200.7	tm	6/9/2000	994347
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	6/13/2000	994380
Manganese - ICAP	<0.006	mg/l		0.006	0.02	200.7	tm	6/9/2000	994347
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	tm	6/19/2000	994425
Nickel - ICAP	<0.011	mg/l		0.011	0.03	200.7	tm	6/9/2000	994347
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	6/14/2000	994391
Silver - ICAP	<0.004	mg/l		0.004	0.01	200.7	tm	6/9/2000	994347
Thallium - Furnace AA	<1.7	ug/l		1.7	5.4	279.2	tm	6/8/2000	994331

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000406
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Zinc - ICAP	**<0.014**	**mg/l**		0.014	0.04	200.7	tm	6/9/2000	*994347*	
COD. Total	**9.1**	**mg/l**	*J*	3.4	11	410.4-CT		6/8/2000	*994403*	
Nitrate + Nitrite Nitrogen	**0.53**	**mg/l**		0.03	0.10	353.3	dmd	6/8/2000	*994328*	
Nitrogen, Ammonia	**<0.1**	**mg/l**		0.1	0.32	350.1	12805	6/13/2000	*994406*	
Phosphorus, Total	**<0.1**	**mg/l**		0.1	0.32	365.2	12805	6/15/2000	*994405*	
Solids, Total Suspended	**1**	**mg/l**	*J*	1	3.2	SM 2540D	tm	6/13/2000	*994394*	

Nova Sample Number: 19857
Client ID: **006306WA05P**
Collection: 6/6/2000 Time: 09:30
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/9/2000	*994342*	
Barium - ICAP	**0.01**	**mg/l**	*J*	0.007	0.02	200.7	tm	6/9/2000	*994347*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	dmd	6/13/2000	*994378*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/9/2000	*994347*	
Copper- ICAP	**<0.006**	**mg/l**		0.006	0.02	200.7	tm	6/9/2000	*994347*	
Iron - ICAP	**0.09**	**mg/l**	*J*	0.081	0.26	200.7	tm	6/9/2000	*994347*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/13/2000	*994380*	
Manganese - ICAP	**<0.006**	**mg/l**		0.006	0.02	200.7	tm	6/9/2000	*994347*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/19/2000	*994425*	
Nickel - ICAP	**<0.011**	**mg/l**		0.011	0.03	200.7	tm	6/9/2000	*994347*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	6/14/2000	*994391*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/9/2000	*994347*	
Thallium - Furnace AA	**2.9**	**ug/l**	*J*	1.7	5.4	279.2	tm	6/8/2000	*994331*	
Zinc - ICAP	**<0.014**	**mg/l**		0.014	0.04	200.7	tm	6/9/2000	*994347*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/8/2000	*994402*	
pH (water)	**7.4**	**s.u.**	#			150.1	jc	6/7/2000	*994357*	

Nova Sample Number: 19858
Client ID: **006306WA07P**
Collection: 6/6/2000 Time: 09:33
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/9/2000	*994342*	
Barium - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	tm	6/13/2000	*994392*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	dmd	6/13/2000	*994378*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	6/13/2000	*994392*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/13/2000	*994392*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	6/13/2000	*994392*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000406**
DATE REPORTED: 06-Jul-00
DATE RECEIVED: 06-Jun-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	6/13/2000	*994380*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	6/13/2000	*994392*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	6/19/2000	*994425*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	6/13/2000	*994392*	
Selenium - Furnace AA	**12**	**ug/l**	***J*** **RJ**	4.8	15	270.2	tm	6/14/2000	*994391*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	6/13/2000	*994392*	
Thallium - Furnace AA	**5.3**	**ug/l**	***J***	1.7	5.4	279.2	tm	6/8/2000	*994331*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	tm	6/13/2000	*994392*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/8/2000	*994402*	

Nova Sample Number: 19859
Client ID: **006306WA02P**
Collection: 6/6/2000 Time: 09:15
Sample Description:

Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2		6/13/2000	*994376*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**9.2**	**s.u.**	#			150.1	jc	6/7/2000	*994357*	

Nova Sample Number: 19860
Client ID: **006306WA03P**
Collection: 6/6/2000 Time: 09:18
Sample Description:

pH (water)	**11**	**s.u.**	#			150.1	jc	6/7/2000	*994357*	

Nova Sample Number: 19863
Client ID: **00606WA09P**
Collection: 6/6/2000 Time:
Sample Description:

Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/8/2000	*994402*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2		6/13/2000	*994376*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	6/13/2000	*994373*	
pH (water)	**7.8**	**s.u.**	#			150.1	jc	6/7/2000	*994357*	

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000406**
DATE REPORTED:	06-Jul-00
DATE RECEIVED:	06-Jun-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	

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

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

Approved By: _____ **Date:** 7/6/00

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*

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

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

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

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