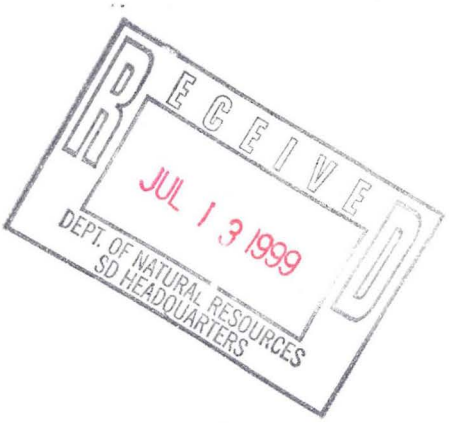


July 15, 1999

Mr. Paul Kozol
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53590

Re: Monthly Monitoring Report for the Oconomowoc Groundwater Treatment Facility

Dear Mr. Kozol:

Attached is the Monthly Monitoring Report for June, 1999 for the above referenced project. Questions regarding these reports should be directed to James Chang of APL, Inc. at (414) 355-5800.

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

Sincerely,

Dean Groleau

Dean Groleau, Plant Superintendent
APL, Inc.

cc: Arne Thomsen, USACE, St. Paul District
Steve Peterson, USACE, Omaha District
Steve Padovani, USEPA
James Chang, APL, Inc.
Mike Boehlar, Black and Veatch
David Brodzinski, WDNR, Horicon

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

MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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

July 15, 1999

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for June, 1999. The OEGTP is located at the site of the former Oconomowoc Electroplating Company, in Ashippun, WI.

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

1.1 Site Background Review

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

The contact person is Arne Thomsen of the U.S. Army Corps of Engineers (USACE). Mr. Thomsen's phone number is (612) 438-3076, Fax (612) 438-2464. 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.

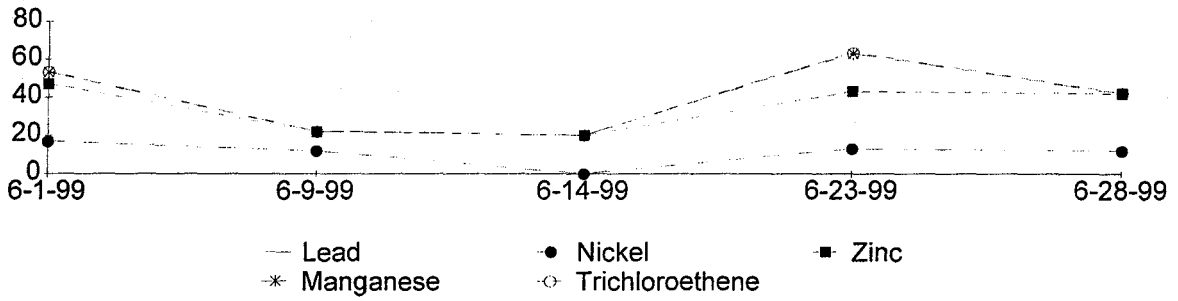
1.3 Effluent Monitoring

Weekly monitoring was conducted on June 1, 9, 14, 23, and 28. The weekly samples for June were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken on June showed one exceedence of Trichloroethene on the WDNR effluent discharge permit. The WDNR effluent discharge permit limit is 0.5ug/l and the result of the June 23 sampling was 0.51ug/l. The possible cause of the high level is discussed in Section 2.0.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



1.5 Extraction Well Monitoring

A second round of Extraction Well sampling was conducted on June 14. The Extraction Well sampling will be conducted on a quarterly basis. The results of the Extraction Wells' analyses are enclosed with this report.

1.6 Residential Well Monitoring

A round of Residential Well sampling was conducted on June 16. 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

On April 9, Paul Kozol, WDNR, authorized operating the Treatment Plant with TF-600 by-passed. The Treatment Plant can continue to operate as long as there are no exceedences of Metals in the effluent. The reason for the by-passing of TF-600 was that the media has hardened below the diffuser heads and above the media up-lift system, preventing the media from being cleansed. After several media acid cleanings with little or no success, Arne Thomsen, USACE, authorized the purchase of new media to be installed after the current process modifications have been completed and tested.

The results from the June 23 weekly sampling showed a result of 0.51ug/l of Trichloroethene (TCE) in the effluent and but the June 28 weekly sampling showed a result of 0.24ug/l in the effluent. The WDNR effluent discharge permit limit on TCE is 0.5ug/l. The reason for the high TCE result may be due to the activated Carbon becoming loaded due to the by-passing of the TF-600.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down five times for a total of 133.25 hours in June, 1999. The shut downs were due to the Installation of Process Modifications and High Effluent pH. Table 1 shows the summary of the plant down time for the month of June, 1999.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
6/2	1.5	Installed New Process Modifications
6/4-8	91.5	Problems With New Processes
6/11	4.75	TP-520 & 521 Failure
6/19-21	32.5	CRT-201/211 Discharge Line Cloggage
6/22	3	MOV-113 Failure
TOTAL	**133.25**	

3.1 Shut Down Due To Installation of New Process Modifications

On June 2, the treatment system was shut down for 1.5 hours to locate and replace a blown fuse in the Programmable Logic Controller (PLC). The fuse was blown while the new processes were being connected to the PLC. The USACE, WDNR, and APL were notified of the treatment plant being shut down and restarted. The total down time was 1.5 hours.

3.2 Shut Down Due To New Process Problems

On June 4, the treatment system was shut down to work on problems associated to the installation of the new Polymer Dilution System. The Polymer Dilution Tank (PDT-350) was leaking at the flange connection for its level element. The flange connection rested on the lip of the Polymer Dilution Tank stand and with the weight of the water in the tank and the vibration of the Polymer Dilution Tank Mixer (PDTM-350) caused the flange connection to rise up and leak. The tank was drained to the Floor Trench and a notch was cut out of the Polymer Dilution Tank stand that allowed the flange connection room for vibration. The other problems were associated with wiring and programming the PLC. The electricians and programming technicians were unavailable until June 8. The treatment system was restarted at 6:20 A.M. on June 8 with the Polymer Feed Pump (PMP-353) operating in the Manual mode. Paul Kozol, of the WDNR, authorized operating the treatment plant in this manner until the wiring and programming problems were resolved. The treatment plant and new Polymer Dilution System needed to be operating in order to observe and fine tune the processes. The USACE, WDNR, and APL were notified of the treatment plant being shut down and restarted. The total down time was 91.5 hours.

3.3 Shut Down Due To TP-520 & 521 Failures

On June 11, the treatment system shut down due to a High/High level in the Tertiary Filtration Holding Tank (TFT-601) that was caused by the failure of the Diffused Air Stripper Feed Pump (TP-520) failing. The failure was due to the hardness/build-up on its impeller. An attempt was made to rotate it out of line with the back-up pump (TP-521) but it, also, failed because of the hardness/build-up on its impeller. Both pumps were disassembled, inspected, acid cleaned, lubricated, reassembled, and test run. The USACE, WDNR, and APL were notified of the treatment plant being shut down and restarted. The total down time was 4.75 hours.

3.4 Shut Down Due To CRT-201/211 Discharge Line Cloggage

On June 19, the treatment system shut down due to the Cyanide Reaction Tanks (CRT-201/211) were over-flowing onto the process floor. The Saturday operator discovered this situation upon his arrival at the treatment plant. The treatment plant was shut down and APL, USACE, and WDNR were sent faxes about the situation. On June 20, CRT-201/211 were by-passed, their mixers and chemical feed pumps were shut off and isolated, their access covers were removed, their probes were removed and placed in water, and the treatment plant was restarted. CRT-211 was partially drained and prepared for removal of the discharge line elbow and isolation valve. On June 21, the treatment plant was shut down and the discharge line elbow and isolation valve were removed and acid cleaned and the entire discharge line was cleaned out using a water hose jetter. The discharge line was reassembled, the treatment plant was restarted, and CRT-201/211 were being filled when CRT-201 started to over-flow onto the process floor. The treatment plant was left operating and CRT-201/211 were by-passed, again. CRT-201 was prepared for draining. On June 22, CRT-201 was drained and the sludge was transferred to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-121). After removing the sludge from CRT-201 and inspecting the tank, it was refilled and flowed normally. All probes were reinstalled, mixers and chemical feed pumps were activated, CRT-201/211 were put back in-line, and the access covers were reinstalled. The USACE, WDNR, and APL were notified of the treatment plant being shut down and restarted. The total down time was 32.5 hours.

3.5 Shut Down Due To MOV-113 Failure

On June 22, the treatment system shut down due to failure of the Metals Package Motor Operated Valve (MOV-113) failing and slamming shut. The operators had to manually exercise

the valve until it responded with the automatic controller (FC-100). The FC-100 has a *"need to calibrate"* message flashing on it. The operators are still looking into this situation. The treatment plant was restarted and returned to normal operating parameters. The USACE, WDNR, and APL were notified of the treatment plant being shut down and restarted. The total down time was 3 hours.

4.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on June 1, 9, 14, 23, and 28 of 1999. On June 14, the Extraction Wells were sampled and, on June 16, the Residential Wells were sampled. The laboratory results of these samples show that all contaminants listed in the Requirements of the Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96) comply with the permit except for the June 23 sampling for TCE. See Chart 1, Section 1.4 for *"Important Indicator Parameters."*

During the month of June, 1999, the plant was shut down five times for a total of 133.25 hours. See Table 1, Section 3.0 for shut down times. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by July 15, 1999.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	6-1-99	
Parameter	Influent	After Metals Package	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.3	11	N/A	N/A	NT	Monitor	
TSS	3.5	NT	NT	NT		Monitor	mg/l
Arsenic	ND	ND	ND	NT	ND	5	
Barium	110	30	30	NT	50	400	
Cadmium	ND	ND	ND	NT	ND	0.5	
Cadmium Total Recoverable	ND	ND	ND	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	ND	ND	NT	ND	10	
Copper	ND	ND	ND	NT	ND	Monitor	
Iron	1100	280	220	NT	240	Monitor	
Lead	ND	ND	ND	NT	ND	1.5	
Manganese	220	8	8	NT	6	Monitor	
Mercury	ND	ND	ND	NT	ND	0.2	
Nickel	180	11	13	NT	17	20	
Selenium	ND	ND	ND	NT	ND	10	
Silver	ND	ND	ND	NT	ND	10	
Thallium	ND	ND	ND	NT	ND	0.4	
Zinc	30	30	20	NT	30	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-dichloroethane	22	NT	ND	NT	ND	85	
1,2-dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-dichloroethene	4.7	NT	ND	NT	ND	0.7	
1,2-dichloroethene cis	37	NT	ND	NT	ND	7	
1,2-dichloroethene trans	3.6	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	ND	NT	ND	NT	ND	0.5	
Toluene	ND	NT	0.52	NT	0.57	68	
1,1,1-trichloroethane	85	NT	ND	NT	ND	40	
1,1,2-trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	322	NT	0.97	NT	0.34	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	19	NT	NT	NT	ND	Monitor	mg/l
Phosphorus total	NT	NT	NT	NT	0.26	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.04	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.31	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	6-9-99	
Parameter	Influent	After Metals Package	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11	N/A	N/A	NT	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	100	NT	NT	NT	40	400	
Cadmium	0.92	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	1300	NT	NT	NT	260	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	120	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	16	NT	NT	NT	12	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	20	NT	NT	NT	10	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-dichloroethane	25	NT	ND	NT	ND	85	
1,2-dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-dichloroethene	5.1	NT	ND	NT	ND	0.7	
1,2-dichloroethene cis	43	NT	0.23	NT	ND	7	
1,2-dichloroethene trans	3.6	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	ND	NT	ND	NT	ND	0.5	
Toluene	ND	NT	0.64	NT	0.77	68	
1,1,1-trichloroethane	120	NT	0.37	NT	ND	40	
1,1,2-trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	412	NT	1.7	NT	0.28	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	0.36	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:	6-14-99	
Parameter	Influent	After Metals Package	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11	N/A	N/A	8.4	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	100	NT	NT	NT	20	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	850	NT	NT	NT	180	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	170	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	ND	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	10	NT	NT	NT	20	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	20	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	15	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	50	NT	ND	NT	ND	7	
1,2-Dichloroethene Trans	21	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	12	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	258	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	643	NT	0.43	NT	ND	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	6-23-99	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11	N/A	N/A	NT	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	120	NT	NT	NT	40	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	250	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	220	NT	NT	NT	20	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	50	NT	NT	NT	13	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	30	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	25	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	19	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	63	NT	0.27	NT	ND	7	
1,2-Dichloroethene Trans	23	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	12	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	334	NT	0.51	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	847	NT	2.1	NT	0.51	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	6-28-99	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11	N/A	N/A	8.3	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	40	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	220	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	190	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	50	NT	NT	NT	12	20	
Selenium	24	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	30	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	19	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	4.3	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	35	NT	0.22	NT	ND	7	
1,2-Dichloroethene Trans	2.9	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	ND	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	78	NT	0.37	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	286	NT	1.7	NT	0.24	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT

RESIDENTIAL WELLS					Date:	(ug/l) June 1999
Parameter	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6
Arsenic	ND	ND	ND	ND	ND	ND
Barium	90	70	80	90	230	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	30	ND	10	ND	10	ND
Iron	2100	1100	680	4500	2200	860
Lead	ND	ND	ND	ND	17	7.3
Manganese	50	30	30	50	40	20
Mercury	ND	ND	ND	0.3	ND	ND
Nickel	ND	10	ND	ND	ND	ND
Selenium	20	9.6	ND	ND	8.5	20
Silver	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND
Zinc	10	20	20	20	190	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	0.44	0.79	0.63	0.73	ND	ND
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	ND	0.35	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
Methyl-t-butyl Ether	1.1	0.7	0.72	0.62	ND	ND
Chloroform	ND	ND	0.77	ND	ND	ND
Xylene Total	ND	ND	ND	ND	ND	ND

OCONOMOWOC GROUNDWATER TREATMENT PLANT

EXTRACTION WELLS					Date:	(ug/l) June 1999
Parameter	EW-1	EW-2	EW-3	EW-4	EW-5	WW-1
pH	7.1	7	7.1	7	7.1	NT
Arsenic	ND	ND	ND	ND	ND	NT
Barium	60	140	120	120	90	NT
Cadmium	ND	ND	ND	ND	1.1	NT
Cadmium Total Recoverable	ND	ND	ND	ND	ND	NT
Chromium +6	ND	ND	ND	ND	ND	NT
Chromium Total	ND	60	ND	ND	ND	NT
Copper	10	100	30	20	ND	NT
Iron	590	31000	1700	260	1500	NT
Lead	ND	8.7	0.46	ND	ND	NT
Manganese	230	200	70	370	70	NT
Mercury	0.3	0.3	ND	0.2	ND	NT
Nickel	40	70	ND	130	ND	NT
Selenium	ND	33	ND	ND	ND	NT
Silver	ND	ND	ND	ND	ND	NT
Thallium	ND	ND	ND	ND	ND	NT
Zinc	30	70	30	20	20	NT
Cyanide	ND	10	ND	ND	10	NT
Cyanide Free	ND	ND	ND	ND	8	NT
1,1-Dichloroethane	ND	6.3	9.7	18	56	NT
1,2-Dichloroethane	ND	ND	ND	ND	ND	NT
1,1-Dichloroethene	ND	ND	2.4	51	11	NT
1,2-Dichloroethene cis	ND	40	25	101	83	NT
1,2-Dichloroethene trans	ND	15	1.8	73	8.1	NT
Ethylbenzene	ND	ND	ND	ND	ND	NT
Methylene Chloride	ND	ND	ND	ND	ND	NT
Tetrachloroethene	ND	ND	ND	40	ND	NT
Toluene	ND	ND	ND	ND	ND	NT
1,1,1-Trichloroethane	ND	1.4	7.6	595	399	NT
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	NT
TCE	6.1	32	98	1320	1070	NT
Vinyl Chloride	ND	ND	ND	ND	6.6	NT
Methyl-t-butyl ether	0.26	ND	ND	ND	ND	NT
Naphthalene	ND	0.52	ND	ND	ND	NT
Xylene Total	ND	ND	ND	ND	ND	NT

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

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

EFFLUENT FLOW FROM PLANT

YEAR: 1999

MONTH: JUNE DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	2,945,997.00	14214.00	28,428.00	0.028	
2	2,960,211.00	0.00	0.00	0.027	SHUT DOWN*
3	173,202.10	8985.70	17,971.40	0.018	SHUT DOWN
4	182,187.80	0.00	0.00	0.000	SHUT DOWN
5	182,187.80	0.00	0.00	0.000	SHUT DOWN
6	182,187.80	0.00	0.00	0.000	SHUT DOWN
7	182,187.80	4305.70	8,611.40	0.009	SHUT DOWN
8	186,493.50	11046.60	22,093.20	0.022	SHUT DOWN
9	197,540.10	11658.90	23,317.80	0.023	
10	209,199.00	10488.60	20977.20	0.021	
11	219,687.60	13684.90	27369.80	0.027	SHUT DOWN
12	233,372.50	9195.00	18390.00	0.018	
13	242,567.50	16510.10	33020.20	0.033	
14	259,077.60	13505.80	27011.60	0.027	
15	272,583.40	9914.00	19828.00	0.020	
16	282,497.40	12756.00	25512.00	0.026	
17	295,253.40	10251.80	20503.60	0.021	
18	305,505.20	13698.00	27396.00	0.027	
19	319,203.20	84.90	169.80	0.000	SHUT DOWN
20	319,288.10	10711.90	21423.80	0.021	SHUT DOWN
21	330,000.00	9973.20	19946.40	0.020	SHUT DOWN
22	339,973.20	11549.50	23099.00	0.023	SHUT DOWN
23	351,522.70	13399.40	26798.80	0.027	
24	364,922.10	11309.20	22618.40	0.023	
25	376,231.30	10504.60	21009.20	0.021	
26	386,735.90	11960.50	23921.00	0.024	
27	398,696.40	14464.30	28928.60	0.029	
28	413,160.70	14304.20	28608.40	0.029	
29	427,464.90	14919.90	29839.80	0.030	
30	442,384.80	13316.20	26632.40	0.027	
July 01	455,701.00				
			TOTAL	0.621	
			AVERAGE	0.023	

*Totalizers were reset during the Fix program up-grade.

FLOW FROM EQT-100

YEAR: 1999				
MONTH: JUNE DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	9,993,863.00	29,766.91	0.030	
2	10,023,629.91	0.00	0.000	SHUT DOWN*
3	114,428.30	18,657.70	0.019	SHUT DOWN
4	133,086.00	0.00	0.000	SHUT DOWN
5	133,086.00	0.00	0.000	SHUT DOWN
6	133,086.00	703.70	0.001	SHUT DOWN
7	133,789.70	11,806.50	0.012	SHUT DOWN
8	145,596.20	24,535.60	0.025	SHUT DOWN
9	170,131.80	25,833.30	0.026	
10	195,965.10	23,273.40	0.023	
11	219,238.50	33,291.60	0.033	SHUT DOWN
12	252,530.10	19,624.30	0.020	
13	272,154.40	36,284.30	0.036	
14	308,438.70	26,666.30	0.027	
15	335,105.00	22,708.60	0.023	
16	357,813.60	29,758.10	0.030	
17	387,571.70	19,816.20	0.020	
18	407,387.90	26,574.20	0.027	
19	433,962.10	2,989.00	0.003	SHUT DOWN
20	436,951.10	21,674.70	0.022	SHUT DOWN
21	458,625.80	25,941.00	0.026	SHUT DOWN
22	484,566.80	24,829.30	0.025	SHUT DOWN
23	509,396.10	29,065.10	0.029	
24	538,461.20	25,109.90	0.025	
25	563,571.10	23,577.30	0.024	
26	587,148.40	25,833.70	0.026	
27	612,982.10	30,784.00	0.031	
28	643,766.10	31,259.20	0.031	
29	675,025.30	31,554.10	0.032	
30	706,579.40	28,466.00	0.028	
July 01	735,045.40			
		TOTAL	0.654	
		AVERAGE	0.024	

*Totalizers were reset during the Fix program up-grade.

FLOW FROM EXTRACTION WELLS

YEAR: 1999

MONTH: JUNE DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	3,863,741.00	25,412.00	0.025	
2	3,889,153.00	0.00	0.000	SHUT DOWN*
3	295,984.60	18,568.40	0.019	SHUT DOWN
4	314,553.00	2,058.80	0.002	SHUT DOWN
5	316,611.80	0.00	0.000	SHUT DOWN
6	316,611.80	0.00	0.000	SHUT DOWN
7	316,611.80	4,400.50	0.004	SHUT DOWN
8	321,012.30	21,500.40	0.022	SHUT DOWN
9	342,512.70	23,193.70	0.023	
10	365,706.40	20,798.90	0.021	
11	386,505.30	25,137.70	0.025	SHUT DOWN
12	411,643.00	14,552.40	0.015	
13	426,195.40	28,661.50	0.029	
14	454,856.90	22,578.80	0.023	
15	477,435.70	19,399.30	0.019	
16	496,835.00	25,929.10	0.026	
17	522,764.10	16,327.30	0.016	
18	539,091.40	24,670.10	0.025	
19	563,761.50	3,743.70	0.004	SHUT DOWN
20	567,505.20	20,440.20	0.020	SHUT DOWN
21	587,945.40	20,294.00	0.020	SHUT DOWN
22	608,239.40	19,976.50	0.020	SHUT DOWN
23	628,215.90	21,764.50	0.022	
24	649,980.40	18,077.00	0.018	
25	668,057.40	20,069.60	0.020	
26	688,127.00	21,804.80	0.022	
27	709,931.80	24,690.20	0.025	
28	734,622.00	21,838.00	0.022	
29	756,460.00	22,738.00	0.023	
30	779,198.00	21,800.20	0.022	
July 01	800,998.20			
		TOTAL	0.532	
		AVERAGE	0.020	

*Totalizers were reset during the Fix program upgrade.

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990493**
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 29-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: 15560		QC Prep Batch Number:	991319			*Sample analyzed within*	*9 Day(s) from collection.*			
Client ID: 990628WA01P	Sample Description:					*Collection:*	*6/28/99*	*Time:*	*13:35*	
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	srh	6/19/99
1,1,1-Trichloroethane	78	ug/l	2.3	7.3	40	10		8260	srh	6/19/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	srh	6/19/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/19/99
1,1-Dichloroethane	19	ug/l	1.5	4.8	85	10		8260	srh	6/19/99
1,1-Dichloroethene	4.3	ug/l	3.6	11	0.7	10	J	8260	srh	6/19/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	srh	6/19/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	srh	6/19/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	srh	6/19/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	srh	6/19/99
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/19/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	srh	6/19/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	srh	6/19/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/19/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	srh	6/19/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/19/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	srh	6/19/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	srh	6/19/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	srh	6/19/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	srh	6/19/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	srh	6/19/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	srh	6/19/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/19/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	srh	6/19/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	srh	6/19/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	srh	6/19/99
Acetone	< 16	ug/l	16	49	200	10		8260	srh	6/19/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/19/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	srh	6/19/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	srh	6/19/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	srh	6/19/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	srh	6/19/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	srh	6/19/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	srh	6/19/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	srh	6/19/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	srh	6/19/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	srh	6/19/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	srh	6/19/99
cis-1,2-Dichloroethene	35	ug/l	2	6.4	7	10		8260	srh	6/19/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	srh	6/19/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990493
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 29-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	srh	6/19/99
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	srh	6/19/99
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	srh	6/19/99
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	srh	6/19/99
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	srh	6/19/99
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	srh	6/19/99
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	srh	6/19/99
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	srh	6/19/99
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	srh	6/19/99
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	srh	6/19/99
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/19/99
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	srh	6/19/99
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	srh	6/19/99
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	srh	6/19/99
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	srh	6/19/99
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	srh	6/19/99
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	srh	6/19/99
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	srh	6/19/99
Tetrachloroethene	<2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/19/99
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	srh	6/19/99
trans-1,2-Dichloroethene	2.9	ug/l	1.6	5.1	20	10	J	8260	srh	6/19/99
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	srh	6/19/99
Trichloroethene	286	ug/l	1.6	5.1	0.5	10		8260	srh	6/19/99
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	srh	6/19/99
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	srh	6/19/99

Sample Number: 15565 QC Prep Batch Number: 991319 *Sample analyzed within 1 Day(s) from collection.*
Client ID: 990628WA07P Sample Description: *Collection: 6/28/99 Time: 13:26*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
1,1,1-Trichloroethane	0.37	ug/l	0.23	0.73	40	1	J	8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/29/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	srh	6/29/99
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/29/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/29/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/29/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	srh	6/29/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/29/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	srh	6/29/99
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990493
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 29-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/29/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/29/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/29/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/29/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/29/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/29/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/29/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/29/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/29/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Bromodichloromethane	0.88	ug/l	0.26	0.83	0.06	1		8260	srh	6/29/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/29/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/29/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/29/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/29/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/29/99
Chloroform	1.4	ug/l	0.27	0.86	0.6	1		8260	srh	6/29/99
Chloromethane	3.9	ug/l	0.77	2.4	0.3	1		8260	srh	6/29/99
cis-1,2-Dichloroethene	0.22	ug/l	0.2	0.64	7	1	J	8260	srh	6/29/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/29/99
Dibromochloromethane	0.8	ug/l	0.21	0.67	6	1		8260	srh	6/29/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/29/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/29/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/29/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/29/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/29/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/29/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/29/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/29/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/29/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/29/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/29/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/29/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/29/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990493
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 29-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/29/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/29/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/29/99
Trichloroethene	1.7	ug/l	0.16	0.51	0.5	1		8260	srh	6/29/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/29/99

Sample Number: **15566** QC Prep Batch Number: 991319 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **990628WA09P** Sample Description: *Collection: 6/28/99 Time: 13:15*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/29/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/29/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/29/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/29/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/29/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/29/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/29/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/29/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/29/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/29/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/29/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/29/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/29/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/29/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/29/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/29/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/29/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/29/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990493**
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 29-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/29/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/29/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/29/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/29/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/29/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/29/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/29/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/29/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/29/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/29/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/29/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/29/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/29/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/29/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/29/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/29/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/29/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/29/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/29/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/29/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/29/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/29/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/29/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/29/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/29/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/29/99
Trichloroethene	0.24	ug/l	0.16	0.51	0.5	1	J	8260	srh	6/29/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/29/99

Sample Number: **15567** QC Prep Batch Number: 991319 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **TRIP BLANK** Sample Description: *Collection: 6/28/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/29/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/29/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990493**
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 29-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/29/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/29/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/29/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/29/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/29/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/29/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/29/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/29/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/29/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/29/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/29/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/29/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/29/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/29/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/29/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/29/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/29/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/29/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/29/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/29/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/29/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/29/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/29/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/29/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/29/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/29/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/29/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/29/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/29/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/29/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/29/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/29/99

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

WDNR# 241340550

BATCH NUMBER:	**990493**
DATE REPORTED:	02-Jul-99
DATE RECEIVED:	29-Jun-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	srh	6/29/99
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/29/99
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	srh	6/29/99
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	srh	6/29/99
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/29/99
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/29/99
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	srh	6/29/99
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
Toluene	0.48	ug/l	0.33	1	68.6	1	*J*	8260	srh	6/29/99
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	srh	6/29/99
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/29/99
Trichloroethene	<0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/29/99
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/29/99

Approved By: James Chang /srh **Date:** 7/2/99
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990493
DATE REPORTED: 21-Jul-99
DATE RECEIVED: 29-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Nova Sample Number: 15560
Client ID: **990628WA01P**
Collection: 6/28/99 Time: 13:35
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l			9.9	31	206.2	dmd/rf	6/29/99	991290	
Barium - ICAP	0.11	mg/l		RJ	0.002	0.006	200.7	dmd	7/1/99	991310	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	7/7/99	991350	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	dmd	7/1/99	991310	
Copper- ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	dmd	7/1/99	991310	
Iron - ICAP	1.1	mg/l		RJ	0.078	0.25	200.7	dmd	7/1/99	991310	
Lead - Furnace AA	<1.4	ug/l		RJ	1.4	4.5	239.2	dmd/rf	6/30/99	991309	
Manganese - ICAP	0.19	mg/l		RJ	0.004	0.01	200.7	dmd	7/1/99	991310	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	7/7/99	991357	
Nickel - ICAP	0.05	mg/l		RJ	0.01	0.03	200.7	dmd	7/1/99	991310	
Selenium - Furnace AA	24	ug/l	J	RJ	7.8	25	270.2	dmd/rf	6/29/99	991295	
Silver - ICAP	<0.009	mg/l		RJ	0.009	0.03	200.7	dmd	7/1/99	991310	
Thallium - Furnace AA	<4.8	ug/l		RJ	4.8	15	279.2	dmd	7/7/99	991351	
Zinc - ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	dmd	7/1/99	991310	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500D	12805	6/29/99	991399	
Cyanide, Amenable	<0.0077	mg/l			0.008	0.02	335.2	12805	7/12/99	991404	
Cyanide, Total	<0.0077	mg/l			0.008	0.02	335.2	12805	7/12/99	991402	
pH (water)	7.1	s.u.	#				150.1	sh	6/29/99	991301	

Nova Sample Number: 15561
Client ID: **990628WA09R**
Collection: 6/28/99 Time: 13:20
Sample Description:

Arsenic - Furnace AA	<9.9	ug/l			9.9	31	206.2	dmd/rf	6/29/99	991290	
Barium - ICAP	0.04	mg/l		RJ	0.002	0.006	200.7	dmd	7/1/99	991310	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	7/7/99	991350	
Chromium, Total - ICAP	<0.012	mg/l		RJ	0.012	0.04	200.7	dmd	7/1/99	991310	
Copper- ICAP	<0.01	mg/l		RJ	0.01	0.03	200.7	dmd	7/1/99	991310	
Iron - ICAP	0.22	mg/l	J	RJ	0.078	0.25	200.7	dmd	7/1/99	991310	
Lead - Furnace AA	<1.4	ug/l		RJ	1.4	4.5	239.2	dmd/rf	6/30/99	991309	
Manganese - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	dmd	7/1/99	991310	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	7/7/99	991357	
Nickel - ICAP	12	ug/l	J	RJ	10	32	200.7	dmd	7/1/99	991310	
Selenium - Furnace AA	<7.8	ug/l		RJ	7.8	25	270.2	dmd/rf	6/29/99	991295	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990493
DATE REPORTED: 21-Jul-99
DATE RECEIVED: 29-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	dmd	7/1/99	*991310*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	dmd	7/7/99	*991351*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.01	0.03	200.7	dmd	7/1/99	*991310*	
Nova Sample Number: 15562										
Client ID: **990628WA02P**								Collection: 6/28/99		Time: 13:29
								Sample Description:		
pH (water)	**9.9**	**s.u.**	**#**			150.1	sh	6/29/99	*991301*	
Nova Sample Number: 15563										
Client ID: **990628WA03P**								Collection: 6/28/99		Time: 13:30
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	sh	6/29/99	*991301*	
Nova Sample Number: 15564										
Client ID: **990628WA05P**								Collection: 6/28/99		Time: 13:25
								Sample Description:		
pH (water)	**7.3**	**s.u.**	**#**			150.1	sh	6/29/99	*991301*	
Nova Sample Number: 15566										
Client ID: **990628WA09P**								Collection: 6/28/99		Time: 13:15
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	6/29/99	*991399*	
Cyanide, Amenable	**<0.31**	**mg/l**		0.31	0.99	335.2	12805	7/12/99	*991404*	
Cyanide, Total	**<0.31**	**mg/l**		0.31	0.99	335.2	12805	7/12/99	*991402*	
pH (water)	**8.3**	**s.u.**	**#**			150.1	sh	6/29/99	*991301*	

Approved By: _____ **Date:** 7/21/99
James Chang, Ph.D. , Lab Director

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

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

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

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

WDNR# 241340550

BATCH NUMBER: **990487**
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 24-Jun-99
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
Sample Number: **15539**				QC Prep Batch Number:	991319		*Sample analyzed within*	*6 Day(s) from collection.*		
Client ID: **990623WA01P**	Sample Description:						*Collection:*	*6/23/99*	*Time:*	*13:30*
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	srh	6/29/99
1,1,1-Trichloroethane	334	ug/l	2.3	7.3	40	10		8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	srh	6/29/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/29/99
1,1-Dichloroethane	25	ug/l	1.5	4.8	85	10		8260	srh	6/29/99
1,1-Dichloroethene	19	ug/l	3.6	11	0.7	10		8260	srh	6/29/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	srh	6/29/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	srh	6/29/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	srh	6/29/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	srh	6/29/99
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/29/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	srh	6/29/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	srh	6/29/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/29/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	srh	6/29/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/29/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	srh	6/29/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	srh	6/29/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	srh	6/29/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	srh	6/29/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/29/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	srh	6/29/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	srh	6/29/99
Acetone	< 16	ug/l	16	49	200	10		8260	srh	6/29/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/29/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	srh	6/29/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	srh	6/29/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	srh	6/29/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	srh	6/29/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	srh	6/29/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	srh	6/29/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	srh	6/29/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	srh	6/29/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	srh	6/29/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	srh	6/29/99
cis-1,2-Dichloroethene	63	ug/l	2	6.4	7	10		8260	srh	6/29/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	srh	6/29/99

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

WDNR# 241340550

BATCH NUMBER: **990487**
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 24-Jun-99
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	<2.1	ug/l	2.1	6.7	6	10		8260	srh	6/29/99
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	srh	6/29/99
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	srh	6/29/99
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	srh	6/29/99
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	srh	6/29/99
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	srh	6/29/99
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	srh	6/29/99
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	srh	6/29/99
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	srh	6/29/99
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	srh	6/29/99
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/29/99
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	srh	6/29/99
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	srh	6/29/99
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	srh	6/29/99
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	srh	6/29/99
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	srh	6/29/99
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	srh	6/29/99
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	srh	6/29/99
Tetrachloroethene	12	ug/l	2.9	9.2	0.5	10		8260	srh	6/29/99
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	srh	6/29/99
trans-1,2-Dichloroethene	23	ug/l	1.6	5.1	20	10		8260	srh	6/29/99
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	srh	6/29/99
Trichloroethene	847	ug/l	1.6	5.1	0.5	10		8260	srh	6/29/99
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	srh	6/29/99
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	srh	6/29/99

Sample Number: **15543** QC Prep Batch Number: 991319 *Sample analyzed within 6 Day(s) from collection.*
Client ID: **990623WA07P** Sample Description: *Collection: 6/23/99 Time: 14:10*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
1,1,1-Trichloroethane	0.51	ug/l	0.23	0.73	40	1	J	8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/29/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	srh	6/29/99
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/29/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/29/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/29/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	srh	6/29/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/29/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	srh	6/29/99
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99

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

WDNR# 241340550

BATCH NUMBER: **990487**
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 24-Jun-99
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	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/29/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/29/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/29/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/29/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/29/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/29/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/29/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/29/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/29/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Bromodichloromethane	1.2	ug/l	0.26	0.83	0.06	1		8260	srh	6/29/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/29/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/29/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/29/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/29/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/29/99
Chloroform	2.4	ug/l	0.27	0.86	0.6	1		8260	srh	6/29/99
Chloromethane	4.7	ug/l	0.77	2.4	0.3	1		8260	srh	6/29/99
cis-1,2-Dichloroethene	0.27	ug/l	0.2	0.64	7	1	J	8260	srh	6/29/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/29/99
Dibromochloromethane	0.92	ug/l	0.21	0.67	6	1		8260	srh	6/29/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/29/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/29/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/29/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/29/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/29/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/29/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/29/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/29/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/29/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/29/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/29/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/29/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/29/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990487**
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 24-Jun-99
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	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/29/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/29/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/29/99
Trichloroethene	2.1	ug/l	0.16	0.51	0.5	1		8260	srh	6/29/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/29/99

Sample Number: **15544** QC Prep Batch Number: 991319 *Sample analyzed within 6 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 6/23/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/29/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/29/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/29/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/29/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/29/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/29/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/29/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/29/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/29/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/29/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/29/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/29/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/29/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/29/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/29/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/29/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/29/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/29/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990487
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 24-Jun-99
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	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/29/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/29/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/29/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/29/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/29/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/29/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/29/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/29/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/29/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/29/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/29/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/29/99
Ethylbenzene	0.24	ug/l	0.16	0.51	140	1	J	8260	srh	6/29/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/29/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/29/99
m&p-xylene	0.7	ug/l	0.36	1.1	124	1	J	8260	srh	6/29/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/29/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/29/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/29/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/29/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/29/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/29/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/29/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
Toluene	0.37	ug/l	0.33	1	68.6	1	J	8260	srh	6/29/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/29/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/29/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/29/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/29/99

Sample Number: 15545 QC Prep Batch Number: 991319 *Sample analyzed within 6 Day(s) from collection*
Client ID: 990623WA09P Sample Description: *Collection: 6/23/99 Time: 14:20*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/29/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/29/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990487**
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 24-Jun-99
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	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/29/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/29/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/29/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/29/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/29/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/29/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/29/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/29/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/29/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/29/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/29/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/29/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/29/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/29/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/29/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/29/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/29/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/29/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/29/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/29/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/29/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/29/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/29/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/29/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/29/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/29/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/29/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/29/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/29/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/29/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/29/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/29/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/29/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/29/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/29/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990487
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 24-Jun-99
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	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/29/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/29/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/29/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/29/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/29/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/29/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/29/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/29/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/29/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/29/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/29/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/29/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/29/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/29/99
Trichloroethene	0.51	ug/l	0.16	0.51	0.5	1		8260	srh	6/29/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/29/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/29/99

Approved By: James Chang /srh **Date:** 7/2/99
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990487
DATE REPORTED: 21-Jul-99
DATE RECEIVED: 24-Jun-99
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
Nova Sample Number: 15539										
Client ID: **990623WA01P**								Collection: 6/23/99		Time: 13:30
								Sample Description:		
Arsenic - Furnace AA	**<9.9**	**ug/l**		9.9	31	206.2	dmd/rf	6/29/99	*991290*	
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.002	0.006	200.7	dmd	7/1/99	*991310*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	dmd	6/24/99	*991271*	
Chromium, Total - ICAP	**<0.012**	**mg/l**	**RJ**	0.012	0.04	200.7	dmd	7/1/99	*991310*	
Copper- ICAP	**<0.01**	**mg/l**	**RJ**	0.01	0.03	200.7	dmd	7/1/99	*991310*	
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.078	0.25	200.7	dmd	7/1/99	*991310*	
Lead - Furnace AA	**<1.4**	**ug/l**	**RJ**	1.4	4.5	239.2	dmd/rf	6/30/99	*991309*	
Manganese - ICAP	**0.22**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd	7/1/99	*991310*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	dmd/rf	6/25/99	*991273*	
Nickel - ICAP	**0.05**	**mg/l**	**RJ**	0.01	0.03	200.7	dmd	7/1/99	*991310*	
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	dmd/rf	6/29/99	*991295*	
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	dmd	7/1/99	*991310*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	dmd/rf	6/28/99	*991272*	
Zinc - ICAP	**<0.01**	**mg/l**	**RJ**	0.01	0.03	200.7	dmd	7/1/99	*991310*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	80535	6/24/99	*991353*	
Cyanide, Amenable	**<0.0077**	**mg/l**		0.008	0.02	335.2	80535	7/6/99	*991355*	
Cyanide, Total	**<0.0077**	**mg/l**		0.008	0.02	335.2	80535	7/6/99	*991354*	
pH (water)	**7**	**s.u.**	**#**			150.1	sh	6/25/99	*991264*	
Nova Sample Number: 15540										
Client ID: **990623WA02P**								Collection: 6/23/99		Time: 13:40
								Sample Description:		
pH (water)	**9.9**	**s.u.**	**#**			150.1	sh	6/25/99	*991264*	
Nova Sample Number: 15541										
Client ID: **990623WA03P**								Collection: 6/23/99		Time: 13:50
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	sh	6/25/99	*991264*	
Nova Sample Number: 15542										
Client ID: **990623WA05P**								Collection: 6/23/99		Time: 14:00
								Sample Description:		
pH (water)	**8.4**	**s.u.**	**#**			150.1	sh	6/25/99	*991264*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990487
DATE REPORTED: 21-Jul-99
DATE RECEIVED: 24-Jun-99
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
Nova Sample Number: 15545											
Client ID: **990623WA09P**									Collection: 6/23/99	Time: 14:20	
									Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	80535	6/24/99	*991353*	
Cyanide, Amenable	**<0.0077**	**mg/l**			0.008	0.02	335.2	80535	7/6/99	*991355*	
Cyanide, Total	**<0.0077**	**mg/l**			0.008	0.02	335.2	80535	7/6/99	*991354*	
Nova Sample Number: 15546											
Client ID: **990623WA09R**									Collection: 6/23/99	Time: 14:30	
									Sample Description: 24hr Composite		
Arsenic - Furnace AA	**<9.9**	**ug/l**			9.9	31	206.2	dmd/rf	6/29/99	*991290*	
Barium - ICAP	**0.04**	**mg/l**		**RJ**	0.002	0.006	200.7	dmd	7/1/99	*991310*	
Cadmium - Furnace AA	**<0.7**	**ug/l**		**TTR**	0.7	2.2	213.2	dmd	6/24/99	*991271*	
Chromium, Total - ICAP	**<0.012**	**mg/l**		**RJ**	0.012	0.04	200.7	dmd	7/1/99	*991310*	
Copper- ICAP	**<0.01**	**mg/l**		**RJ**	0.01	0.03	200.7	dmd	7/1/99	*991310*	
Iron - ICAP	**0.25**	**mg/l**		**RJ**	0.078	0.25	200.7	dmd	7/1/99	*991310*	
Lead - Furnace AA	**<1.4**	**ug/l**		**RJ**	1.4	4.5	239.2	dmd/rf	6/30/99	*991309*	
Manganese - ICAP	**0.02**	**mg/l**		**RJ**	0.004	0.01	200.7	dmd	7/1/99	*991310*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	dmd/rf	6/25/99	*991273*	
Nickel - ICAP	**13**	**ug/l**	*J*	**RJ**	10	32	200.7	dmd	7/1/99	*991310*	
Selenium - Furnace AA	**<7.8**	**ug/l**		**RJ**	7.8	25	270.2	dmd/rf	6/29/99	*991295*	
Silver - ICAP	**<0.009**	**mg/l**		**RJ**	0.009	0.03	200.7	dmd	7/1/99	*991310*	
Thallium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	279.2	dmd/rf	6/28/99	*991272*	
Zinc - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.01	0.03	200.7	dmd	7/1/99	*991310*	

Approved By: _____ **Date:** 7/14/99
James Chang, Ph.D. , Lab Director

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

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990467
DATE REPORTED: 29-Jun-99
DATE RECEIVED: 16-Jun-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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Nova Sample Number: 15478
Client ID: **990616RW01**

Collection: 6/16/99 Time:
Sample Description: Kreir Residence

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		9.9	31	206.2	dmd/rf	6/29/99	991290	
Barium - ICAP	0.09	mg/l	RJ	0.002	0.006	200.7	dmd	6/22/99	991237	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/24/99	991271	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	dmd	6/22/99	991237	
Copper- ICAP	0.03	mg/l	J RJ	0.01	0.03	200.7	dmd	6/22/99	991237	
Iron - ICAP	2.1	mg/l	RJ	0.078	0.25	200.7	dmd	6/22/99	991237	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	991245	
Manganese - ICAP	0.05	mg/l	RJ	0.004	0.01	200.7	dmd	6/22/99	991237	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	dmd	6/22/99	991237	
Selenium - Furnace AA	20	ug/l	J RJ	7.8	25	270.2	dmd/rf	6/29/99	991295	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	dmd	6/22/99	991237	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd/rf	6/28/99	991272	
Zinc - ICAP	0.01	mg/l	J RJ	0.01	0.03	200.7	dmd	6/22/99	991237	

Nova Sample Number: 15479
Client ID: **990616RW02**

Collection: 6/16/99 Time:
Sample Description: Kreir Rental

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l		9.9	31	206.2	dmd/rf	6/29/99	991290	
Barium - ICAP	0.07	mg/l	RJ	0.002	0.006	200.7	dmd	6/22/99	991237	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/24/99	991271	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	dmd	6/22/99	991237	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	dmd	6/22/99	991237	
Iron - ICAP	1.1	mg/l	RJ	0.078	0.25	200.7	dmd	6/22/99	991237	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	991245	
Manganese - ICAP	0.03	mg/l	RJ	0.004	0.01	200.7	dmd	6/22/99	991237	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	dmd	6/22/99	991237	
Selenium - Furnace AA	9.6	ug/l	J RJ	7.8	25	270.2	dmd/rf	6/29/99	991295	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	dmd	6/22/99	991237	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd/rf	6/28/99	991272	
Zinc - ICAP	0.31	mg/l	RJ	0.01	0.03	200.7	dmd	6/22/99	991237	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990467
DATE REPORTED: 29-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 15480										
Client ID: 990616RW03								Collection: 6/16/99	Time:	
								Sample Description: Otto Shared Well		
Arsenic - Furnace AA	<9.9	ug/l		9.9	31	206.2	dmd/rf	6/29/99	991290	
Barium - ICAP	0.08	mg/l	RJ	0.002	0.006	200.7	dmd	6/22/99	991237	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/24/99	991271	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	dmd	6/22/99	991237	
Copper- ICAP	0.01	mg/l	J RJ	0.01	0.03	200.7	dmd	6/22/99	991237	
Iron - ICAP	0.68	mg/l	RJ	0.078	0.25	200.7	dmd	6/22/99	991237	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	991245	
Manganese - ICAP	0.03	mg/l	RJ	0.004	0.01	200.7	dmd	6/22/99	991237	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	dmd	6/22/99	991237	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	dmd/rf	6/29/99	991295	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	dmd	6/22/99	991237	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd/rf	6/28/99	991272	
Zinc - ICAP	0.02	mg/l	J RJ	0.01	0.03	200.7	dmd	6/22/99	991237	
Nova Sample Number: 15481										
Client ID: 990616RW04								Collection: 6/16/99	Time:	
								Sample Description: McMullen Residence		
Arsenic - Furnace AA	<9.9	ug/l		9.9	31	206.2	dmd/rf	6/29/99	991290	
Barium - ICAP	0.09	mg/l	RJ	0.002	0.006	200.7	dmd	6/22/99	991237	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	6/24/99	991271	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	dmd	6/22/99	991237	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	dmd	6/22/99	991237	
Iron - ICAP	4.5	mg/l	RJ	0.078	0.25	200.7	dmd	6/22/99	991237	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	991246	
Manganese - ICAP	0.05	mg/l	RJ	0.004	0.01	200.7	dmd	6/22/99	991237	
Mercury CV	0.0003	mg/l	J RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	dmd	6/22/99	991237	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	dmd/rf	6/29/99	991295	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	dmd	6/22/99	991237	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd/rf	6/28/99	991272	
Zinc - ICAP	0.02	mg/l	J RJ	0.01	0.03	200.7	dmd	6/22/99	991237	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990467
DATE REPORTED: 29-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 15482										
Client ID: **990616RW05**								Collection: 6/16/99		Time:
								Sample Description: Town Garage		
Arsenic - Furnace AA	**<9.9**	**ug/l**		9.9	31	206.2	dmd/rf	6/29/99	*991290*	
Barium - ICAP	**0.23**	**mg/l**	RJ	0.002	0.006	200.7	dmd	6/22/99	*991237*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	TTR	0.7	2.2	213.2	dmd	6/24/99	*991271*	
Chromium, Total - ICAP	**<0.012**	**mg/l**	RJ	0.012	0.04	200.7	dmd	6/22/99	*991237*	
Copper- ICAP	**0.01**	**mg/l**	*J* RJ	0.01	0.03	200.7	dmd	6/22/99	*991237*	
Iron - ICAP	**2.2**	**mg/l**	RJ	0.078	0.25	200.7	dmd	6/22/99	*991237*	
Lead - Furnace AA	**17**	**ug/l**	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	*991246*	
Manganese - ICAP	**0.04**	**mg/l**	RJ	0.004	0.01	200.7	dmd	6/22/99	*991237*	
Mercury CV	**<0.0002**	**mg/l**	RJ	0.0002	0.0006	245.1	dmd	6/17/99	*991224*	
Nickel - ICAP	**<0.01**	**mg/l**	RJ	0.01	0.03	200.7	dmd	6/22/99	*991237*	
Selenium - Furnace AA	**8.5**	**ug/l**	*J* RJ	7.8	25	270.2	dmd/rf	6/29/99	*991295*	
Silver - ICAP	**<0.009**	**mg/l**	RJ	0.009	0.03	200.7	dmd	6/22/99	*991237*	
Thallium - Furnace AA	**<4.8**	**ug/l**	RJ	4.8	15	279.2	dmd/rf	6/28/99	*991272*	
Zinc - ICAP	**0.19**	**mg/l**	RJ	0.01	0.03	200.7	dmd	6/22/99	*991237*	
Nova Sample Number: 15483										
Client ID: **990616RW06**								Collection: 6/16/99		Time:
								Sample Description: Thermo Gas		
Arsenic - Furnace AA	**<9.9**	**ug/l**		9.9	31	206.2	dmd/rf	6/29/99	*991290*	
Barium - ICAP	**0.07**	**mg/l**	RJ	0.002	0.006	200.7	dmd	6/22/99	*991237*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	TTR	0.7	2.2	213.2	dmd	6/24/99	*991271*	
Chromium, Total - ICAP	**<0.012**	**mg/l**	RJ	0.012	0.04	200.7	dmd	6/22/99	*991237*	
Copper- ICAP	**<0.01**	**mg/l**	RJ	0.01	0.03	200.7	dmd	6/22/99	*991237*	
Iron - ICAP	**0.86**	**mg/l**	RJ	0.078	0.25	200.7	dmd	6/22/99	*991237*	
Lead - Furnace AA	**7.3**	**ug/l**	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	*991246*	
Manganese - ICAP	**0.02**	**mg/l**	RJ	0.004	0.01	200.7	dmd	6/22/99	*991237*	
Mercury CV	**<0.0002**	**mg/l**	RJ	0.0002	0.0006	245.1	dmd	6/17/99	*991224*	
Nickel - ICAP	**<0.01**	**mg/l**	RJ	0.01	0.03	200.7	dmd	6/22/99	*991237*	
Selenium - Furnace AA	**20**	**ug/l**	*J* RJ	7.8	25	270.2	dmd/rf	6/29/99	*991295*	
Silver - ICAP	**<0.009**	**mg/l**	RJ	0.009	0.03	200.7	dmd	6/22/99	*991237*	
Thallium - Furnace AA	**<4.8**	**ug/l**	RJ	4.8	15	279.2	dmd/rf	6/28/99	*991272*	
Zinc - ICAP	**0.02**	**mg/l**	*J* RJ	0.01	0.03	200.7	dmd	6/22/99	*991237*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990467
DATE REPORTED:	29-Jun-99
DATE RECEIVED:	17-Jun-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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

Approved By: _____ **Date:** 6/29/99

James Chang, Ph.D., Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990467
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

,

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	0.62	ug/l	0.21	0.67	12	1	J	8260	srh	6/24/99
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	0.35	ug/l	0.16	0.51	0.5	1	J	8260	srh	6/24/99
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

Sample Number: 15482 QC Prep Batch Number: 991265 *Sample analyzed within 8 Day(s) from collection.*
Client ID: 990616RW05 Sample Description: Town Garage *Collection: 6/16/99 Time:*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1	8260	srh	6/24/99
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1	8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1	8260	srh	6/24/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1	8260	srh	6/24/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1	8260	srh	6/24/99
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1	8260	srh	6/24/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1	8260	srh	6/24/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1	8260	srh	6/24/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1	8260	srh	6/24/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1	8260	srh	6/24/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1	8260	srh	6/24/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1	8260	srh	6/24/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1	8260	srh	6/24/99
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1	8260	srh	6/24/99
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1	8260	srh	6/24/99
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1	8260	srh	6/24/99
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1	8260	srh	6/24/99
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1	8260	srh	6/24/99
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1	8260	srh	6/24/99
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1	8260	srh	6/24/99
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1	8260	srh	6/24/99
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1	8260	srh	6/24/99

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ORGANIC REPORT

WDNR# 241340550

Jim Chang

c/o Nova Environmental Lab

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BATCH NUMBER: 990467
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/24/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/24/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/24/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/24/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/24/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990467
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 16-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: 15478			QC Prep Batch Number: 991265				*Sample analyzed within*	*8 Day(s) from collection.*		
Client ID: 990616RW01	Sample Description:		Krein Residence				*Collection:*	*6/16/99*	*Time:*	
1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/24/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/24/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/24/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/24/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/24/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/24/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/24/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/24/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/24/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/24/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/24/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/24/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/24/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/24/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/24/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/24/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	0.44	ug/l	0.2	0.64	7	1	J	8260	srh	6/24/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990467
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 16-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/24/99
Methyl-t-butyl ether	1.1	ug/l	0.21	0.67	12	1		8260	srh	6/24/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/24/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

Sample Number: 15479 QC Prep Batch Number: 991265 *Sample analyzed within* 8 *Day(s) from collection.*
Client ID: 990616RW02 Sample Description: Kreir Rental *Collection:* 6/16/99 *Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1	8260	srh	6/24/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1	8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1	8260	srh	6/24/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1	8260	srh	6/24/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1	8260	srh	6/24/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1	8260	srh	6/24/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1	8260	srh	6/24/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1	8260	srh	6/24/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1	8260	srh	6/24/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1	8260	srh	6/24/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1	8260	srh	6/24/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1	8260	srh	6/24/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1	8260	srh	6/24/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1	8260	srh	6/24/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990467**
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

,

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/24/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/24/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/24/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/24/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/24/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/24/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/24/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/24/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	0.79	ug/l	0.2	0.64	7	1		8260	srh	6/24/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/24/99
Methyl-t-butyl ether	0.7	ug/l	0.21	0.67	12	1		8260	srh	6/24/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990467**
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/24/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

Sample Number: **15480** QC Prep Batch Number: 991265 *Sample analyzed within 8 Day(s) from collection.*
Client ID: **990616RW03** Sample Description: **Otto Shared Well** *Collection: 6/16/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/24/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/24/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/24/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/24/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/24/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/24/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/24/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/24/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/24/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/24/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/24/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/24/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/24/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/24/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/24/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990467**
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	0.77	ug/l	0.27	0.86	0.6	1	J	8260	srh	6/24/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	0.63	ug/l	0.2	0.64	7	1	J	8260	srh	6/24/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/24/99
Methyl-t-butyl ether	0.72	ug/l	0.21	0.67	12	1		8260	srh	6/24/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/24/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

Sample Number: **15481** QC Prep Batch Number: 991265 *Sample analyzed within 8 Day(s) from collection.*
Client ID: **990616RW04** Sample Description: **McMullen Residence** *Collection: 6/16/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/24/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/24/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990467
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/24/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/24/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/24/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/24/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/24/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/24/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/24/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/24/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/24/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/24/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/24/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/24/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/24/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/24/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	0.73	ug/l	0.2	0.64	7	1		8260	srh	6/24/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/24/99

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

WDNR# 241340550

BATCH NUMBER: 990467
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Jim Chang

c/o Nova Environmental Lab

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Sample Number: 15483 QC Prep Batch Number: 991265 *Sample analyzed within 8 Day(s) from collection.*
Client ID: 990616RW06 Sample Description: Thermo Gas *Collection: 6/16/99 Time:*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/24/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/24/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/24/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/24/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/24/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/24/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/24/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/24/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/24/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/24/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/24/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/24/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/24/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/24/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/24/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/24/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/24/99

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ORGANIC REPORT

WDNR# 241340550

Jim Chang

c/o Nova Environmental Lab

,

BATCH NUMBER: 990467
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 17-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Oconomowoc Ground

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	srh	6/24/99
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	srh	6/24/99
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	<0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/24/99
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

Sample Number: 15486 QC Prep Batch Number: 991265 *Sample analyzed within 8 Day(s) from collection.*
Client ID: Trip Blank Sample Description: *Collection: 6/16/99 Time:*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1	8260	srh	6/24/99
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1	8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1	8260	srh	6/24/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1	8260	srh	6/24/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1	8260	srh	6/24/99
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1	8260	srh	6/24/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1	8260	srh	6/24/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1	8260	srh	6/24/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1	8260	srh	6/24/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1	8260	srh	6/24/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1	8260	srh	6/24/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1	8260	srh	6/24/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1	8260	srh	6/24/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990467
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 16-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/24/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/24/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/24/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/24/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/24/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/24/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/24/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/24/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/24/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/24/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/24/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990467**
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 16-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/24/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

Approved By: _____ **Date:** 6/29/99
James Chang, Ph.D. , Lab Director

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990444**
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 09-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Sample Number: **15372** QC Prep Batch Number: 991153 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **990609WA01P** Sample Description: *Collection: 6/9/99 Time: 14:10*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	srh	6/9/99
1,1,1-Trichloroethane	120	ug/l	2.3	7.3	40	10		8260	srh	6/9/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	srh	6/9/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/9/99
1,1-Dichloroethane	25	ug/l	1.5	4.8	85	10		8260	srh	6/9/99
1,1-Dichloroethene	5.1	ug/l	3.6	11	0.7	10	J	8260	srh	6/9/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	srh	6/9/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	srh	6/9/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	srh	6/9/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	srh	6/9/99
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/9/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	srh	6/9/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	srh	6/9/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/9/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	srh	6/9/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/9/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	srh	6/9/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	srh	6/9/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	srh	6/9/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	srh	6/9/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	srh	6/9/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	srh	6/9/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/9/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	srh	6/9/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	srh	6/9/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	srh	6/9/99
Acetone	< 16	ug/l	16	49	200	10		8260	srh	6/9/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/9/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	srh	6/9/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	srh	6/9/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	srh	6/9/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	srh	6/9/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	srh	6/9/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	srh	6/9/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	srh	6/9/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	srh	6/9/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	srh	6/9/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	srh	6/9/99
cis-1,2-Dichloroethene	43	ug/l	2	6.4	7	10		8260	srh	6/9/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	srh	6/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990444
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 09-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 2.1	ug/l	2.1	6.7	6	10		8260	srh	6/9/99
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	srh	6/9/99
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	srh	6/9/99
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	srh	6/9/99
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	srh	6/9/99
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	srh	6/9/99
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	srh	6/9/99
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	srh	6/9/99
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	srh	6/9/99
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	srh	6/9/99
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/9/99
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	srh	6/9/99
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	srh	6/9/99
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	srh	6/9/99
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	srh	6/9/99
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	srh	6/9/99
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	srh	6/9/99
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	srh	6/9/99
Tetrachloroethene	< 2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/9/99
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	srh	6/9/99
trans-1,2-Dichloroethene	3.6	ug/l	1.6	5.1	20	10	J	8260	srh	6/9/99
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	srh	6/9/99
Trichloroethene	412	ug/l	1.6	5.1	0.5	10		8260	srh	6/9/99
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	srh	6/9/99
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	srh	6/9/99

Sample Number: **15377** QC Prep Batch Number: 991153 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **990609WA09P** Sample Description: *Collection: 6/9/99 Time: 14:50*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/9/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/9/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/9/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/9/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/9/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/9/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/9/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/9/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/9/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990444**
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 09-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/9/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/9/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/9/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/9/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/9/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/9/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/9/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/9/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/9/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/9/99
Benzene	0.62	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/9/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/9/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/9/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/9/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/9/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/9/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/9/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/9/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/9/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/9/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/9/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/9/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/9/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/9/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/9/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/9/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/9/99
m&p-xylene	0.36	ug/l	0.36	1.1	124	1		8260	srh	6/9/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/9/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/9/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/9/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/9/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/9/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/9/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990444**
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 09-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
Toluene	0.77	ug/l	0.33	1	68.6	1	J	8260	srh	6/9/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/9/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/9/99
Trichloroethene	0.28	ug/l	0.16	0.51	0.5	1	J	8260	srh	6/9/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/9/99

Sample Number: **15378** QC Prep Batch Number: 991153 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **990609WA07P** Sample Description: *Collection: 6/9/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
1,1,1-Trichloroethane	0.37	ug/l	0.23	0.73	40	1	J	8260	srh	6/9/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/9/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/9/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/9/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/9/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/9/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/9/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/9/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/9/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/9/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/9/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/9/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/9/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/9/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/9/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/9/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/9/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/9/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/9/99
Benzene	0.8	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/9/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Bromodichloromethane	0.75	ug/l	0.26	0.83	0.06	1	J	8260	srh	6/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990444**
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 09-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/9/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/9/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/9/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/9/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/9/99
Chloroform	2.3	ug/l	0.27	0.86	0.6	1		8260	srh	6/9/99
Chloromethane	3.8	ug/l	0.77	2.4	0.3	1		8260	srh	6/9/99
cis-1,2-Dichloroethene	0.23	ug/l	0.2	0.64	7	1	*J*	8260	srh	6/9/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/9/99
Dibromochloromethane	0.92	ug/l	0.21	0.67	6	1		8260	srh	6/9/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/9/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/9/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/9/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/9/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/9/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/9/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/9/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/9/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/9/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/9/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/9/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/9/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/9/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
Toluene	0.64	ug/l	0.33	1	68.6	1	*J*	8260	srh	6/9/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/9/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/9/99
Trichloroethene	1.7	ug/l	0.16	0.51	0.5	1		8260	srh	6/9/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/9/99

Sample Number: **15379** QC Prep Batch Number: 991153 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **TRIP BLANK** Sample Description: *Collection: 6/9/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/9/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/9/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/9/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990444
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 09-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/9/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/9/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/9/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/9/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/9/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/9/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/9/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/9/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/9/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/9/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/9/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/9/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/9/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/9/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/9/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/9/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/9/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/9/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/9/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/9/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/9/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/9/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/9/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/9/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/9/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/9/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/9/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/9/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/9/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/9/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/9/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/9/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/9/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	990444
DATE REPORTED:	10-Jun-99
DATE RECEIVED:	09-Jun-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/9/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/9/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/9/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/9/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/9/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/9/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/9/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/9/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/9/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/9/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/9/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/9/99

Approved By: _____ **Date:** 6 10 99

James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990444
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 09-Jun-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	dmd	6/16/99	*991201*	
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	6/16/99	*991191*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	dmd	6/15/99	*991198*	
Zinc - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.01	0.03	200.7	rf	6/16/99	*991191*	
Nova Sample Number: 15374										
Client ID: **990609WA02P**								Collection: 6/9/99		Time: 14:30
								Sample Description:		
pH (water)	**10**	**s.u.**	**#**			150.1	sh	6/9/99	*991156*	
Nova Sample Number: 15375										
Client ID: **990609WA03P**								Collection: 6/9/99		Time: 14:30
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	sh	6/9/99	*991156*	
Nova Sample Number: 15376										
Client ID: **990609WA05P**								Collection: 6/9/99		Time: 14:40
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	sh	6/9/99	*991156*	
Nova Sample Number: 15377										
Client ID: **990609WA09P**								Collection: 6/9/99		Time: 14:50
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	6/10/99	*991239*	
Cyanide, Amenable	**<0.0077**	**mg/l**		0.008	0.02	335.2	128053	6/18/99	*991241*	
Cyanide, Total	**<0.0077**	**mg/l**		0.008	0.02	335.2	128053	6/18/99	*991240*	

Approved By: _____ **Date:** 6/23/99
James Chang, Ph.D. , Lab Director

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

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990444
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 09-Jun-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Nova Sample Number: 15372
Client ID: **990609WA01P**
Collection: 6/9/99 Time: 14:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	6/15/99	991200	
Barium - ICAP	0.1	mg/l	RJ	0.002	0.006	200.7	rf	6/16/99	991191	
Cadmium - Furnace AA	0.92	ug/l	J RJ	0.7	2.2	213.2	dmd/rf	6/15/99	991188	
Cadmium-Total Recoverable	<0.7	ug/l	TR	0.7	2.2	7131	dmd	6/17/99	991205	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	rf	6/16/99	991191	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Iron - ICAP	1.3	mg/l	RJ	0.078	0.25	200.7	rf	6/16/99	991191	
Lead - Furnace AA	<1.1	ug/l	RJ	1.1	3.5	239.2	dmd/rf	6/11/99	991168	
Manganese - ICAP	0.12	mg/l	RJ	0.004	0.01	200.7	rf	6/16/99	991191	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	16	ug/l	J RJ	10	32	200.7	rf	6/16/99	991191	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	dmd	6/16/99	991201	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	rf	6/16/99	991191	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd	6/15/99	991198	
Zinc - ICAP	0.02	mg/l	J RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	6/10/99	991239	
Cyanide, Amenable	<0.0077	mg/l		0.008	0.02	335.2	128053	6/18/99	991241	
Cyanide, Total	<0.0077	mg/l		0.008	0.02	335.2	128053	6/18/99	991240	
pH (water)	7.4	s.u.	#			150.1	sh	6/9/99	991156	

Nova Sample Number: 15373
Client ID: **990609WA09R**
Collection: 6/9/99 Time: 14:55
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	6/15/99	991200	
Barium - ICAP	0.04	mg/l	RJ	0.002	0.006	200.7	rf	6/16/99	991191	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd/rf	6/15/99	991188	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	rf	6/16/99	991191	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Iron - ICAP	0.26	mg/l	RJ	0.078	0.25	200.7	rf	6/16/99	991191	
Lead - Furnace AA	<1.1	ug/l	RJ	1.1	3.5	239.2	dmd/rf	6/11/99	991168	
Manganese - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	rf	6/16/99	991191	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	12	ug/l	J RJ	10	32	200.7	rf	6/16/99	991191	

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ORGANIC REPORT

WDNR# 241340550

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

BATCH NUMBER: **990415**
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 02-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling
PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: **15283**			QC Prep Batch Number:	991153			*Sample analyzed within*	*8 Day(s) from collection.*		
Client ID: **990601WA01P**	Sample Description:						*Collection:*	*6/1/99*	*Time:*	*00:00*
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	srh	6/9/99
1,1,1-Trichloroethane	85	ug/l	2.3	7.3	40	10		8260	srh	6/9/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	srh	6/9/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/9/99
1,1-Dichloroethane	22	ug/l	1.5	4.8	85	10		8260	srh	6/9/99
1,1-Dichloroethene	4.7	ug/l	3.6	11	0.7	10	J	8260	srh	6/9/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	srh	6/9/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	srh	6/9/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	srh	6/9/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	srh	6/9/99
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/9/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	srh	6/9/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	srh	6/9/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/9/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	srh	6/9/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/9/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	srh	6/9/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	srh	6/9/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	srh	6/9/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	srh	6/9/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	srh	6/9/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	srh	6/9/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/9/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	srh	6/9/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	srh	6/9/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	srh	6/9/99
Acetone	< 16	ug/l	16	49	200	10		8260	srh	6/9/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/9/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	srh	6/9/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	srh	6/9/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	srh	6/9/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	srh	6/9/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	srh	6/9/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	srh	6/9/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	srh	6/9/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	srh	6/9/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	srh	6/9/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	srh	6/9/99
cis-1,2-Dichloroethene	37	ug/l	2	6.4	7	10		8260	srh	6/9/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	srh	6/9/99

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

WDNR# 241340550

BATCH NUMBER: **990415**
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 02-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	srh	6/9/99
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	srh	6/9/99
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	srh	6/9/99
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	srh	6/9/99
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	srh	6/9/99
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	srh	6/9/99
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	srh	6/9/99
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	srh	6/9/99
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	srh	6/9/99
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	srh	6/9/99
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/9/99
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	srh	6/9/99
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	srh	6/9/99
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	srh	6/9/99
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	srh	6/9/99
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	srh	6/9/99
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	srh	6/9/99
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	srh	6/9/99
Tetrachloroethene	<2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/9/99
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	srh	6/9/99
trans-1,2-Dichloroethene	3.6	ug/l	1.6	5.1	20	10	J	8260	srh	6/9/99
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	srh	6/9/99
Trichloroethene	322	ug/l	1.6	5.1	0.5	10		8260	srh	6/9/99
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	srh	6/9/99
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	srh	6/9/99

Sample Number: **15285** QC Prep Batch Number: 991153 *Sample analyzed within 8 Day(s) from collection.*
Client ID: **990601WA07P** Sample Description: *Collection: 6/1/99 Time: 14:20*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	srh	6/9/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/9/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	srh	6/9/99
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/9/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/9/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/9/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	srh	6/9/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/9/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	srh	6/9/99
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990415**
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 02-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/9/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/9/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/9/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/9/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/9/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/9/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/9/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/9/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/9/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/9/99
Benzene	0.57	ug/l	0.19	0.6	0.5	1	J	8260	srh	6/9/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/9/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Bromodichloromethane	1.1	ug/l	0.26	0.83	0.06	1		8260	srh	6/9/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/9/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/9/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/9/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/9/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/9/99
Chloroform	3.3	ug/l	0.27	0.86	0.6	1		8260	srh	6/9/99
Chloromethane	5	ug/l	0.77	2.4	0.3	1		8260	srh	6/9/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/9/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/9/99
Dibromochloromethane	1.1	ug/l	0.21	0.67	6	1		8260	srh	6/9/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/9/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/9/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/9/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/9/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/9/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/9/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/9/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/9/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/9/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/9/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/9/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/9/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990415**
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 02-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
Toluene	0.52	ug/l	0.33	1	68.6	1	J	8260	srh	6/9/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/9/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/9/99
Trichloroethene	0.97	ug/l	0.16	0.51	0.5	1		8260	srh	6/9/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/9/99

Sample Number: **15288** QC Prep Batch Number: 991153 *Sample analyzed within 8 Day(s) from collection.*
Client ID: **990601WA09P** Sample Description: *Collection: 6/1/99 Time: 14:30*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/9/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/9/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/9/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/9/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/9/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/9/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/9/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/9/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/9/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/9/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/9/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/9/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/9/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/9/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/9/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/9/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/9/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/9/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/9/99
Benzene	0.39	ug/l	0.19	0.6	0.5	1	J	8260	srh	6/9/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/9/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990415
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 02-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/9/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/9/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/9/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/9/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/9/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/9/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/9/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/9/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/9/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/9/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/9/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/9/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/9/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/9/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/9/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/9/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/9/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/9/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/9/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/9/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/9/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/9/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/9/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
Toluene	0.57	ug/l	0.33	1	68.6	1	J	8260	srh	6/9/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/9/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/9/99
Trichloroethene	0.34	ug/l	0.16	0.51	0.5	1	J	8260	srh	6/9/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/9/99

Sample Number: **15289** QC Prep Batch Number: 991153 *Sample analyzed within 8 Day(s) from collection.*
Client ID: **trip blank** Sample Description: *Collection: 6/1/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/9/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/9/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/9/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**990415**
DATE REPORTED:	10-Jun-99
DATE RECEIVED:	02-Jun-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Monthly Sampling
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/9/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/9/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/9/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/9/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/9/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/9/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/9/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/9/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/9/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/9/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/9/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/9/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/9/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/9/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/9/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/9/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/9/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/9/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/9/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/9/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/9/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/9/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/9/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/9/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/9/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/9/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/9/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/9/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/9/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/9/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/9/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/9/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/9/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/9/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/9/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/9/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/9/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**990415**
DATE REPORTED:	10-Jun-99
DATE RECEIVED:	02-Jun-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Monthly Sampling
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/9/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/9/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/9/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/9/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/9/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/9/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/9/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/9/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/9/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/9/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/9/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/9/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/9/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/9/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/9/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/9/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/9/99

Approved By: _____ **Date:** 6/10/99
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990415
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 01-Jun-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Monthly Sampli
PROJECT NAME: OGTP

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

Nova Sample Number: 15282
Client ID: **990601WA09R**
Collection: 6/1/99 Time: 13:40
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	6/2/99	991087	
Barium - ICAP	0.05	mg/l	RJ	0.002	0.006	200.7	dmd/rf	6/4/99	991114	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd/rf	6/2/99	991089	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	dmd/rf	6/4/99	991114	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	dmd/rf	6/4/99	991114	
Iron - ICAP	0.24	mg/l	J RJ	0.078	0.25	200.7	dmd/rf	6/4/99	991114	
Lead - Furnace AA	<1.1	ug/l		1.1	3.5	239.2	rf	6/4/99	991109	
Manganese - ICAP	0.006	mg/l	J RJ	0.004	0.01	200.7	dmd/rf	6/4/99	991114	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	6/8/99	991123	
Nickel - ICAP	17	ug/l	J RJ	10	32	200.7	dmd/rf	6/4/99	991114	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	dmd/rf	6/2/99	991088	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	dmd/rf	6/4/99	991114	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd	6/8/99	991128	
Zinc - ICAP	0.03	mg/l	J RJ	0.01	0.03	200.7	dmd/rf	6/4/99	991114	
COD. Total	<3.4	mg/l		3.4	11	410.4-CT	mp	6/17/99	991170	
Nitrate + Nitrite Nitrogen	0.04	mg/l	J	0.017	0.05	353.3	128053	6/21/99	991244	
Nitrogen, Ammonia	0.31	mg/l	J	0.1	0.32	350.1	128055	6/4/99	991131	
Phosphorus, Total	0.26	mg/l		0.033	0.10	365.2	van	6/10/99	991154	
Solids, Total Suspended	<1.0	mg/l		1	3.2	SM 2540	rf	6/3/99	991113	

Nova Sample Number: 15283
Client ID: **990601WA01P**
Collection: 6/1/99 Time: 00:00
Sample Description:

Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	6/2/99	991087	
Barium - ICAP	0.11	mg/l	RJ	0.002	0.006	200.7	dmd/rf	6/4/99	991114	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd/rf	6/2/99	991089	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	dmd/rf	6/4/99	991114	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	dmd/rf	6/4/99	991114	
Iron - ICAP	1.1	mg/l	RJ	0.078	0.25	200.7	dmd/rf	6/4/99	991114	
Lead - Furnace AA	<1.1	ug/l		1.1	3.5	239.2	rf	6/4/99	991109	
Manganese - ICAP	0.22	mg/l	RJ	0.004	0.01	200.7	dmd/rf	6/4/99	991114	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	6/8/99	991123	
Nickel - ICAP	0.18	mg/l	RJ	0.01	0.03	200.7	dmd/rf	6/4/99	991114	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990415
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 02-Jun-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Monthly Sampli
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	dmd/rf	6/2/99	*991088*	
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	dmd/rf	6/4/99	*991114*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	dmd	6/8/99	*991128*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.01	0.03	200.7	dmd/rf	6/4/99	*991114*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128055	6/2/99	*991130*	
COD. Total	**19**	**mg/l**		3.4	11	410.4-CT	mp	6/17/99	*991170*	
Cyanide, Amenable	**<0.018**	**mg/l**		0.018	0.06	335.2	van	6/10/99	*991151*	
Cyanide, Total	**<0.018**	**mg/l**		0.018	0.06	335.2	van	6/10/99	*991149*	
pH (water)	**7.3**	**s.u.**	**#**			150.1	tg	6/1/99	*991101*	
Solids, Total Suspended	**3.5**	**mg/l**		1	3.2	SM 2540	rf	6/3/99	*991113*	

Nova Sample Number: 15284
Client ID: **990601WA05P**
Collection: 6/1/99 Time: 14:10
Sample Description:

Arsenic - Furnace AA	**<9.9**	**ug/l**	**RJ**	9.9	31	206.2	dmd	6/2/99	*991087*	
Barium - ICAP	**0.03**	**mg/l**	**RJ**	0.002	0.006	200.7	dmd/rf	6/4/99	*991114*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	dmd/rf	6/2/99	*991089*	
Chromium, Total - ICAP	**<0.012**	**mg/l**	**RJ**	0.012	0.04	200.7	dmd/rf	6/4/99	*991114*	
Copper- ICAP	**<0.01**	**mg/l**	**RJ**	0.01	0.03	200.7	dmd/rf	6/4/99	*991114*	
Iron - ICAP	**0.28**	**mg/l**	**RJ**	0.078	0.25	200.7	dmd/rf	6/4/99	*991114*	
Lead - Furnace AA	**<1.1**	**ug/l**		1.1	3.5	239.2	rf	6/4/99	*991109*	
Manganese - ICAP	**0.008**	**mg/l**	***J* RJ**	0.004	0.01	200.7	dmd/rf	6/4/99	*991114*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	dmd	6/8/99	*991123*	
Nickel - ICAP	**11**	**ug/l**	***J* RJ**	10	32	200.7	dmd/rf	6/4/99	*991114*	
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	dmd/rf	6/2/99	*991088*	
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	dmd/rf	6/4/99	*991114*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	dmd	6/8/99	*991128*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.01	0.03	200.7	dmd/rf	6/4/99	*991114*	
pH (water)	**11**	**s.u.**	**#**			150.1	tg	6/1/99	*991101*	

Nova Sample Number: 15285
Client ID: **990601WA07P**
Collection: 6/1/99 Time: 14:20
Sample Description:

Arsenic - Furnace AA	**<9.9**	**ug/l**	**RJ**	9.9	31	206.2	dmd	6/2/99	*991087*
Barium - ICAP	**0.03**	**mg/l**	**RJ**	0.002	0.006	200.7	dmd/rf	6/4/99	*991114*
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	dmd/rf	6/2/99	*991089*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990415
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 02-Jun-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Monthly Sampli
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Total - ICAP	**<0.012**	**mg/l**	**RJ**	0.012	0.04	200.7	dmd/rf	6/4/99	*991114*	
Copper- ICAP	**<0.01**	**mg/l**	**RJ**	0.01	0.03	200.7	dmd/rf	6/4/99	*991114*	
Iron - ICAP	**0.22**	**mg/l**	***J* RJ**	0.078	0.25	200.7	dmd/rf	6/4/99	*991114*	
Lead - Furnace AA	**<1.1**	**ug/l**		1.1	3.5	239.2	rf	6/4/99	*991109*	
Manganese - ICAP	**0.008**	**mg/l**	***J* RJ**	0.004	0.01	200.7	dmd/rf	6/4/99	*991114*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	dmd	6/8/99	*991123*	
Nickel - ICAP	**13**	**ug/l**	***J* RJ**	10	32	200.7	dmd/rf	6/4/99	*991114*	
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	dmd/rf	6/2/99	*991088*	
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	dmd/rf	6/4/99	*991114*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	dmd	6/8/99	*991128*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.01	0.03	200.7	dmd/rf	6/4/99	*991114*	

Nova Sample Number: 15286
Client ID: **990601WA02P**
Collection: 6/1/99 Time: 13:50
Sample Description:

Cyanide, Amenable	**<0.018**	**mg/l**		0.018	0.06	335.2	van	6/10/99	*991151*
Cyanide, Total	**<0.018**	**mg/l**		0.018	0.06	335.2	van	6/10/99	*991149*
pH (water)	**10**	**s.u.**	**#**			150.1	tg	6/1/99	*991101*

Nova Sample Number: 15287
Client ID: **990601WA03P**
Collection: 6/1/99 Time: 14:00
Sample Description:

pH (water)	**11**	**s.u.**	**#**			150.1	tg	6/1/99	*991101*

Nova Sample Number: 15288
Client ID: **990601WA09P**
Collection: 6/1/99 Time: 14:30
Sample Description:

Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128055	6/2/99	*991130*
Cyanide, Amenable	**<0.018**	**mg/l**		0.018	0.06	335.2	van	6/10/99	*991151*
Cyanide, Total	**<0.018**	**mg/l**		0.018	0.06	335.2	van	6/10/99	*991149*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990415
DATE REPORTED:	23-Jun-99
DATE RECEIVED:	02-Jun-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Monthly Sampli
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 6/23/99
James Chang, Ph.D. , Lab Director

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

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

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

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

WDNR# 241340550

BATCH NUMBER: **990459**
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Sample Number: **15438** QC Prep Batch Number: 991252 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **990614WA01P** Sample Description: *Collection: 6/14/99 Time: 12:55*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	srh	6/16/99
1,1,1-Trichloroethane	258	ug/l	2.3	7.3	40	10		8260	srh	6/16/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	srh	6/16/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/16/99
1,1-Dichloroethane	20	ug/l	1.5	4.8	85	10		8260	srh	6/16/99
1,1-Dichloroethene	15	ug/l	3.6	11	0.7	10		8260	srh	6/16/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	srh	6/16/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	srh	6/16/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	srh	6/16/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	srh	6/16/99
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/16/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	srh	6/16/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	srh	6/16/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/16/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	srh	6/16/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/16/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	srh	6/16/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	srh	6/16/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	srh	6/16/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	srh	6/16/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	srh	6/16/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	srh	6/16/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/16/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	srh	6/16/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	srh	6/16/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	srh	6/16/99
Acetone	< 16	ug/l	16	49	200	10		8260	srh	6/16/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/16/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	srh	6/16/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	srh	6/16/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	srh	6/16/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	srh	6/16/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	srh	6/16/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	srh	6/16/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	srh	6/16/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	srh	6/16/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	srh	6/16/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	srh	6/16/99
cis-1,2-Dichloroethene	50	ug/l	2	6.4	7	10		8260	srh	6/16/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990459**
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	<2.4	ug/l	2.4	7.6	0.02	10		8260	srh	6/16/99
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	srh	6/16/99
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	srh	6/16/99
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	srh	6/16/99
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	srh	6/16/99
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	srh	6/16/99
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	srh	6/16/99
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	srh	6/16/99
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	srh	6/16/99
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	srh	6/16/99
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	srh	6/16/99
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/16/99
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	srh	6/16/99
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	srh	6/16/99
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	srh	6/16/99
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	srh	6/16/99
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	srh	6/16/99
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	srh	6/16/99
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	srh	6/16/99
Tetrachloroethene	12	ug/l	2.9	9.2	0.5	10		8260	srh	6/16/99
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	srh	6/16/99
trans-1,2-Dichloroethene	21	ug/l	1.6	5.1	20	10		8260	srh	6/16/99
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	srh	6/16/99
Trichloroethene	643	ug/l	1.6	5.1	0.5	10		8260	srh	6/16/99
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	srh	6/16/99
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	srh	6/16/99

Sample Number: **15443** QC Prep Batch Number: 991252 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **990614WA07P** Sample Description: *Collection: 6/14/99 Time: 13:05*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1	8260	srh	6/16/99
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1	8260	srh	6/16/99
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1	8260	srh	6/16/99
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1	8260	srh	6/16/99
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1	8260	srh	6/16/99
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1	8260	srh	6/16/99
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1	8260	srh	6/16/99
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1	8260	srh	6/16/99
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1	8260	srh	6/16/99
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1	8260	srh	6/16/99
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1	8260	srh	6/16/99
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1	8260	srh	6/16/99
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1	8260	srh	6/16/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990459
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/16/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/16/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/16/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/16/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/16/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/16/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/16/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/16/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/16/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/16/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/16/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/16/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/16/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/16/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/16/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/16/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/16/99
Bromodichloromethane	0.36	ug/l	0.26	0.83	0.06	1	J	8260	srh	6/16/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/16/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/16/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/16/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/16/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/16/99
Chloroform	0.6	ug/l	0.27	0.86	0.6	1	J	8260	srh	6/16/99
Chloromethane	0.94	ug/l	0.77	2.4	0.3	1	J	8260	srh	6/16/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/16/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/16/99
Dibromochloromethane	0.32	ug/l	0.21	0.67	6	1	J	8260	srh	6/16/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/16/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/16/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/16/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/16/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/16/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/16/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/16/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/16/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/16/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/16/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/16/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/16/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/16/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/16/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/16/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990459**
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/16/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/16/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/16/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/16/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/16/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/16/99
Trichloroethene	0.43	ug/l	0.16	0.51	0.5	1	J	8260	srh	6/16/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/16/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/16/99

Sample Number: **15444** QC Prep Batch Number: 991252 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **990614WA09P** Sample Description: *Collection: 6/14/99 Time: 14:45*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/16/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/16/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/16/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/16/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/16/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/16/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/16/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/16/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/16/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/16/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/16/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/16/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/16/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/16/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/16/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/16/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/16/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/16/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/16/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/16/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/16/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/16/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/16/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/16/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/16/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/16/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/16/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/16/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/16/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/16/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990459
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/16/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/16/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/16/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/16/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/16/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/16/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/16/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/16/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/16/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/16/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/16/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/16/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/16/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/16/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/16/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/16/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/16/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/16/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/16/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/16/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/16/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/16/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/16/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/16/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/16/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/16/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/16/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/16/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/16/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/16/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/16/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/16/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/16/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/16/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/16/99

Sample Number: **15445** QC Prep Batch Number: 991252 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip blank** Sample Description: *Collection: 6/14/99 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/16/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/16/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/16/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/16/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990459
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/16/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/16/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/16/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/16/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/16/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/16/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/16/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/16/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/16/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/16/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/16/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/16/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/16/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/16/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/16/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/16/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/16/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/16/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/16/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/16/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/16/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/16/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/16/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/16/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/16/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/16/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/16/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/16/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/16/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/16/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/16/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/16/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/16/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/16/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/16/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/16/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/16/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/16/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/16/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/16/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/16/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/16/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/16/99

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

WDNR# 241340550

BATCH NUMBER: 990459
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/16/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/16/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/16/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/16/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/16/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/16/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/16/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/16/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/16/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/16/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/16/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/16/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/16/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/16/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/16/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/16/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/16/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/16/99

Approved By: _____ **Date:** 6/23/99
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990459
DATE REPORTED:	29-Jun-99
DATE RECEIVED:	15-Jun-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Weekly & Ext.
PROJECT NAME:	OGTP

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

Nova Sample Number: 15433
Client ID: **990614EW01**
Collection: 6/14/99 Time: 13:25
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	6/15/99	991200	
Barium - ICAP	0.06	mg/l	RJ	0.002	0.006	200.7	rf	6/16/99	991191	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd/rf	6/15/99	991188	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	rf	6/16/99	991191	
Copper- ICAP	0.01	mg/l	J RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Iron - ICAP	0.59	mg/l	RJ	0.078	0.25	200.7	rf	6/16/99	991191	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	991245	
Manganese - ICAP	0.23	mg/l	RJ	0.004	0.01	200.7	rf	6/16/99	991191	
Mercury CV	0.0003	mg/l	J RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	0.04	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	dmd	6/16/99	991201	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	rf	6/16/99	991191	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd	6/15/99	991198	
Zinc - ICAP	0.03	mg/l	J RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	805353	6/15/99	991284	
Cyanide, Amenable	<0.0077	mg/l		0.008	0.02	335.2	805353	6/25/99	991285	
Cyanide, Total	<0.0077	mg/l		0.008	0.02	335.2	805353	6/18/99	991286	
pH (water)	7.1	s.u.	#			150.1	sh	9/14/99	991220	

Nova Sample Number: 15434
Client ID: **990614EW02**
Collection: 6/14/99 Time: 13:35
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	6/15/99	991200	
Barium - ICAP	0.14	mg/l	RJ	0.002	0.006	200.7	rf	6/16/99	991191	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd/rf	6/15/99	991188	
Chromium, Total - ICAP	0.06	mg/l	RJ	0.012	0.04	200.7	rf	6/16/99	991191	
Copper- ICAP	0.1	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Iron - ICAP	31	mg/l	RJ	0.078	0.25	200.7	rf	6/16/99	991191	
Lead - Furnace AA	8.7	ug/l	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	991245	
Manganese - ICAP	0.2	mg/l	RJ	0.004	0.01	200.7	rf	6/16/99	991191	
Mercury CV	0.0003	mg/l	J RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	0.07	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Selenium - Furnace AA	33	ug/l	RJ	7.8	25	270.2	dmd	6/16/99	991201	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990459
DATE REPORTED:	29-Jun-99
DATE RECEIVED:	15-Jun-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Weekly & Ext.
PROJECT NAME:	OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	rf	6/16/99	991191	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd	6/15/99	991198	
Zinc - ICAP	0.07	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	805353	6/15/99	991284	
Cyanide, Amenable	<0.0077	mg/l		0.008	0.02	335.2	805353	6/25/99	991285	
Cyanide, Total	0.01	mg/l	J	0.008	0.02	335.2	805353	6/18/99	991286	
pH (water)	7	s.u.	#			150.1	sh	9/14/99	991220	

Nova Sample Number: 15435
Client ID: 990614EW03
Collection: 6/14/99 Time: 13:55
Sample Description:

Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	6/15/99	991200	
Barium - ICAP	0.12	mg/l	RJ	0.002	0.006	200.7	rf	6/16/99	991191	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd/rf	6/15/99	991188	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	rf	6/16/99	991191	
Copper- ICAP	0.03	mg/l	J RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Iron - ICAP	1.7	mg/l	RJ	0.078	0.25	200.7	rf	6/16/99	991191	
Lead - Furnace AA	0.46	ug/l	J RJ	1.4	4.5	239.2	dmd/rf	6/22/99	991245	
Manganese - ICAP	0.07	mg/l	RJ	0.004	0.01	200.7	rf	6/16/99	991191	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	dmd	6/16/99	991201	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	rf	6/16/99	991191	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd	6/15/99	991198	
Zinc - ICAP	0.03	mg/l	J RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	805353	6/15/99	991284	
Cyanide, Amenable	<0.0077	mg/l		0.008	0.02	335.2	805353	6/25/99	991285	
Cyanide, Total	<0.0077	mg/l		0.008	0.02	335.2	805353	6/18/99	991286	
pH (water)	7.1	s.u.	#			150.1	sh	9/14/99	991220	

Nova Sample Number: 15436
Client ID: 990614EW04
Collection: 6/14/99 Time: 13:45
Sample Description:

Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	6/15/99	991200	
Barium - ICAP	0.12	mg/l	RJ	0.002	0.006	200.7	rf	6/16/99	991191	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd/rf	6/15/99	991188	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990459
DATE REPORTED:	29-Jun-99
DATE RECEIVED:	15-Jun-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Weekly & Ext.
PROJECT NAME:	OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	rf	6/16/99	991191	
Copper- ICAP	0.02	mg/l	J RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Iron - ICAP	0.26	mg/l	RJ	0.078	0.25	200.7	rf	6/16/99	991191	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	991245	
Manganese - ICAP	0.37	mg/l	RJ	0.004	0.01	200.7	rf	6/16/99	991191	
Mercury CV	0.0002	mg/l	J RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	0.13	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	dmd	6/16/99	991201	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	rf	6/16/99	991191	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd	6/15/99	991198	
Zinc - ICAP	0.02	mg/l	J RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	805353	6/15/99	991284	
Cyanide, Amenable	<0.0077	mg/l		0.008	0.02	335.2	805353	6/25/99	991285	
Cyanide, Total	<0.0077	mg/l		0.008	0.02	335.2	805353	6/18/99	991286	
pH (water)	7	s.u.	#			150.1	sh	9/14/99	991220	

Nova Sample Number: 15437
Client ID: **990614EW05**

Collection: 6/14/99 Time: 14:05
Sample Description:

Arsenic - Furnace AA	<9.9	ug/l	RJ	9.9	31	206.2	dmd	6/15/99	991200	
Barium - ICAP	0.09	mg/l	RJ	0.002	0.006	200.7	rf	6/16/99	991191	
Cadmium - Furnace AA	1.1	ug/l	J RJ	0.7	2.2	213.2	dmd/rf	6/15/99	991188	
Cadmium-Total Recoverable	<0.7	ug/l	TR	0.7	2.2	7131	dmd	6/17/99	991205	
Chromium, Total - ICAP	<0.012	mg/l	RJ	0.012	0.04	200.7	rf	6/16/99	991191	
Copper- ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Iron - ICAP	1.5	mg/l	RJ	0.078	0.25	200.7	rf	6/16/99	991191	
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	991245	
Manganese - ICAP	0.07	mg/l	RJ	0.004	0.01	200.7	rf	6/16/99	991191	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	6/17/99	991224	
Nickel - ICAP	<0.01	mg/l	RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Selenium - Furnace AA	<7.8	ug/l	RJ	7.8	25	270.2	dmd	6/16/99	991201	
Silver - ICAP	<0.009	mg/l	RJ	0.009	0.03	200.7	rf	6/16/99	991191	
Thallium - Furnace AA	<4.8	ug/l	RJ	4.8	15	279.2	dmd	6/15/99	991198	
Zinc - ICAP	0.02	mg/l	J RJ	0.01	0.03	200.7	rf	6/16/99	991191	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	805353	6/15/99	991284	
Cyanide, Amenable	0.008	mg/l	J	0.008	0.02	335.2	805353	6/25/99	991285	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990459
DATE REPORTED:	29-Jun-99
DATE RECEIVED:	15-Jun-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Weekly & Ext.
PROJECT NAME:	OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Total	**0.01**	**mg/l**	*J*	0.008	0.02	335.2	805353	6/18/99	*991286*	
pH (water)	**7.1**	**s.u.**	#			150.1	sh	9/14/99	*991220*	

Nova Sample Number: 15438
Client ID: **990614WA01P**
Collection: 6/14/99 Time: 12:55
Sample Description:

Arsenic - Furnace AA	**<9.9**	**ug/l**		RJ	9.9	31	206.2	dmd	6/15/99	*991200*
Barium - ICAP	**0.1**	**mg/l**		RJ	0.002	0.006	200.7	rf	6/16/99	*991191*
Cadmium - Furnace AA	**<0.7**	**ug/l**		TTR	0.7	2.2	213.2	dmd/rf	6/15/99	*991188*
Chromium, Total - ICAP	**<0.012**	**mg/l**		RJ	0.012	0.04	200.7	rf	6/16/99	*991191*
Copper- ICAP	**<0.01**	**mg/l**		RJ	0.01	0.03	200.7	rf	6/16/99	*991191*
Iron - ICAP	**0.85**	**mg/l**		RJ	0.078	0.25	200.7	rf	6/16/99	*991191*
Lead - Furnace AA	**<1.4**	**ug/l**		RJ	1.4	4.5	239.2	dmd/rf	6/22/99	*991245*
Manganese - ICAP	**0.17**	**mg/l**		RJ	0.004	0.01	200.7	rf	6/16/99	*991191*
Mercury CV	**<0.0002**	**mg/l**		RJ	0.0002	0.0006	245.1	dmd	6/17/99	*991224*
Nickel - ICAP	**0.04**	**mg/l**		RJ	0.01	0.03	200.7	rf	6/16/99	*991191*
Selenium - Furnace AA	**<7.8**	**ug/l**		RJ	7.8	25	270.2	dmd	6/16/99	*991201*
Silver - ICAP	**<0.009**	**mg/l**		RJ	0.009	0.03	200.7	rf	6/16/99	*991191*
Thallium - Furnace AA	**<4.8**	**ug/l**		RJ	4.8	15	279.2	dmd	6/15/99	*991198*
Zinc - ICAP	**0.01**	**mg/l**	*J*	RJ	0.01	0.03	200.7	rf	6/16/99	*991191*
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500	805353	6/15/99	*991284*
Cyanide, Amenable	**<0.0077**	**mg/l**			0.008	0.02	335.2	805353	6/25/99	*991285*
Cyanide, Total	**<0.0077**	**mg/l**			0.008	0.02	335.2	805353	6/18/99	*991286*
pH (water)	**7.1**	**s.u.**	#				150.1	sh	9/14/99	*991220*

Nova Sample Number: 15439
Client ID: **990614WA09R**
Collection: 6/14/99 Time: 14:50
Sample Description:

Arsenic - Furnace AA	**<9.9**	**ug/l**	RJ	9.9	31	206.2	dmd	6/15/99	*991200*
Barium - ICAP	**0.02**	**mg/l**	RJ	0.002	0.006	200.7	rf	6/16/99	*991191*
Cadmium - Furnace AA	**<0.7**	**ug/l**	TTR	0.7	2.2	213.2	dmd/rf	6/15/99	*991188*
Chromium, Total - ICAP	**<0.012**	**mg/l**	RJ	0.012	0.04	200.7	rf	6/16/99	*991191*
Copper- ICAP	**<0.01**	**mg/l**	RJ	0.01	0.03	200.7	rf	6/16/99	*991191*
Iron - ICAP	**0.18**	**mg/l**	*J* RJ	0.078	0.25	200.7	rf	6/16/99	*991191*
Lead - Furnace AA	**<1.4**	**ug/l**	RJ	1.4	4.5	239.2	dmd/rf	6/22/99	*991245*
Manganese - ICAP	**<0.004**	**mg/l**	RJ	0.004	0.01	200.7	rf	6/16/99	*991191*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990459
DATE REPORTED:	29-Jun-99
DATE RECEIVED:	15-Jun-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Weekly & Ext.
PROJECT NAME:	OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	dmd	6/17/99	*991224*	
Nickel - ICAP	**<0.01**	**mg/l**	**RJ**	0.01	0.03	200.7	rf	6/16/99	*991191*	
Selenium - Furnace AA	**<7.8**	**ug/l**	**RJ**	7.8	25	270.2	dmd	6/16/99	*991201*	
Silver - ICAP	**<0.009**	**mg/l**	**RJ**	0.009	0.03	200.7	rf	6/16/99	*991191*	
Thallium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	279.2	dmd	6/15/99	*991198*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.01	0.03	200.7	rf	6/16/99	*991191*	
Nova Sample Number: 15440										
Client ID: **990614WA02P**								Collection: 6/14/99		Time: 13:10
								Sample Description:		
pH (water)	**9.9**	**s.u.**	**#**			150.1	sh	9/14/99	*991220*	
Nova Sample Number: 15441										
Client ID: **990614WA03P**								Collection: 6/14/99		Time: 13:10
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	sh	9/14/99	*991220*	
Nova Sample Number: 15442										
Client ID: **990614WA05P**								Collection: 6/14/99		Time: 13:00
								Sample Description:		
pH (water)	**6.5**	**s.u.**	**#**			150.1	sh	9/14/99	*991220*	
Nova Sample Number: 15444										
Client ID: **990614WA09P**								Collection: 6/14/99		Time: 14:45
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	805353	6/15/99	*991284*	
Cyanide, Amenable	**<0.0077**	**mg/l**		0.008	0.02	335.2	805353	6/25/99	*991285*	
Cyanide, Total	**<0.0077**	**mg/l**		0.008	0.02	335.2	805353	6/18/99	*991286*	
pH (water)	**8.4**	**s.u.**	**#**			150.1	sh	9/14/99	*991220*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990459
DATE REPORTED:	29-Jun-99
DATE RECEIVED:	15-Jun-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Weekly & Ext.
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 6 25 99
James Chang, Ph.D. , Lab Director

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

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

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

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

WDNR# 241340550

BATCH NUMBER: **990459**
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Sample Number: **15433** QC Prep Batch Number: 991252 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **990614EW01** Sample Description: *Collection: 6/14/99 Time: 13:25*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/16/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/16/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/16/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/16/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/16/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/16/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/16/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/16/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/16/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/16/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/16/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/16/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/16/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/16/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/16/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/16/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/16/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/16/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/16/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/16/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/16/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/16/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/16/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/16/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/16/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/16/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/16/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/16/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/16/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/16/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/16/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/16/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/16/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/16/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/16/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/16/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/16/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/16/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/16/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/16/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990459**
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/16/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/16/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/16/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/16/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/16/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/16/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/16/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/16/99
Methyl-t-butyl ether	0.26	ug/l	0.21	0.67	12	1	J	8260	srh	6/16/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/16/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/16/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/16/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/16/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/16/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/16/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/16/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/16/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/16/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/16/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/16/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/16/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/16/99
Trichloroethene	6.1	ug/l	0.16	0.51	0.5	1		8260	srh	6/16/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/16/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/16/99

Sample Number: **15434** QC Prep Batch Number: 991252 *Sample analyzed within 9 Day(s) from collection.*
Client ID: **990614EW02** Sample Description: *Collection: 6/14/99 Time: 13:35*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1	8260	srh	6/23/99
1,1,1-Trichloroethane	1.4	ug/l	0.23	0.73	40	1	8260	srh	6/23/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1	8260	srh	6/23/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1	8260	srh	6/23/99
1,1-Dichloroethane	6.3	ug/l	0.15	0.48	85	1	8260	srh	6/23/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1	8260	srh	6/23/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1	8260	srh	6/23/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1	8260	srh	6/23/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1	8260	srh	6/23/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1	8260	srh	6/23/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1	8260	srh	6/23/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1	8260	srh	6/23/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1	8260	srh	6/23/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1	8260	srh	6/23/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **990459**
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/23/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/23/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/23/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/23/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/23/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/23/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/23/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/23/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/23/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/23/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/23/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/23/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/23/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/23/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/23/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/23/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/23/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/23/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/23/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/23/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/23/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/23/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/23/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/23/99
cis-1,2-Dichloroethene	40	ug/l	0.2	0.64	7	1		8260	srh	6/23/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/23/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/23/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/23/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/23/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/23/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/23/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/23/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/23/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/23/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/23/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/23/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/23/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/23/99
Naphthalene	0.52	ug/l	0.46	1.5	8	1	J	8260	srh	6/23/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/23/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/23/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/23/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/23/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990459
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/23/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/23/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/23/99
trans-1,2-Dichloroethene	15	ug/l	0.16	0.51	20	1		8260	srh	6/23/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/23/99
Trichloroethene	32	ug/l	0.16	0.51	0.5	1		8260	srh	6/23/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/23/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/23/99

Sample Number: **15435** QC Prep Batch Number: 991252 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **990614EW03** Sample Description: *Collection: 6/14/99 Time: 13:55*

1,1,1,2-Tetrachloroethane	< 0.4	ug/l	0.4	1.3	ns	2		8260	srh	6/16/99
1,1,1-Trichloroethane	7.6	ug/l	0.46	1.5	40	2		8260	srh	6/16/99
1,1,2,2-Tetrachloroethane	< 0.58	ug/l	0.58	1.8	0.02	2		8260	srh	6/16/99
1,1,2-Trichloroethane	< 0.58	ug/l	0.58	1.8	0.5	2		8260	srh	6/16/99
1,1-Dichloroethane	9.7	ug/l	0.3	0.95	85	2		8260	srh	6/16/99
1,1-Dichloroethene	2.4	ug/l	0.72	2.3	0.7	2		8260	srh	6/16/99
1,1-Dichloropropene	< 0.98	ug/l	0.98	3.1	ns	2		8260	srh	6/16/99
1,2,3-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	ns	2		8260	srh	6/16/99
1,2,3-Trichloropropane	< 1.2	ug/l	1.2	3.8	ns	2		8260	srh	6/16/99
1,2,4-Trichlorobenzene	< 0.32	ug/l	0.32	1	14	2		8260	srh	6/16/99
1,2,4-Trimethylbenzene	< 0.58	ug/l	0.58	1.8	ns	2		8260	srh	6/16/99
1,2-Dibromoethane	< 0.48	ug/l	0.48	1.5	0.005	2		8260	srh	6/16/99
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.3	60	2		8260	srh	6/16/99
1,2-Dichloroethane	< 0.38	ug/l	0.38	1.2	0.5	2		8260	srh	6/16/99
1,2-Dichloropropane	< 0.46	ug/l	0.46	1.5	0.5	2		8260	srh	6/16/99
1,3,5-Trimethylbenzene	< 0.46	ug/l	0.46	1.5	ns	2		8260	srh	6/16/99
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.2	125	2		8260	srh	6/16/99
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	ns	2		8260	srh	6/16/99
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.95	15	2		8260	srh	6/16/99
12Dibromo-3-chloropropan	< 1.2	ug/l	1.2	3.8	0.02	2		8260	srh	6/16/99
2,2-Dichloropropane	< 0.8	ug/l	0.8	2.5	ns	2		8260	srh	6/16/99
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	90	2		8260	srh	6/16/99
2-Chloroethyl Vinyl Ether	< 0.58	ug/l	0.58	1.8	ns	2		8260	srh	6/16/99
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	2		8260	srh	6/16/99
4-Chlorotoluene	< 0.5	ug/l	0.5	1.6	ns	2		8260	srh	6/16/99
4-Methyl-2-Pentanone	< 1.7	ug/l	1.7	5.3	50	2		8260	srh	6/16/99
Acetone	< 3.1	ug/l	3.1	9.9	200	2		8260	srh	6/16/99
Benzene	< 0.38	ug/l	0.38	1.2	0.5	2		8260	srh	6/16/99
Bromobenzene	< 0.38	ug/l	0.38	1.2	ns	2		8260	srh	6/16/99
Bromochloromethane	< 0.68	ug/l	0.68	2.2	ns	2		8260	srh	6/16/99
Bromodichloromethane	< 0.52	ug/l	0.52	1.7	0.06	2		8260	srh	6/16/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990459
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.94	ug/l	0.94	3	0.44	2		8260	srh	6/16/99
Bromomethane	< 0.42	ug/l	0.42	1.3	1	2		8260	srh	6/16/99
Carbon tetrachloride	< 0.44	ug/l	0.44	1.4	0.5	2		8260	srh	6/16/99
Chlorobenzene	< 0.4	ug/l	0.4	1.3	20	2		8260	srh	6/16/99
Chloroethane	< 2.3	ug/l	2.3	7.4	80	2		8260	srh	6/16/99
Chloroform	< 0.54	ug/l	0.54	1.7	0.6	2		8260	srh	6/16/99
Chloromethane	< 1.5	ug/l	1.5	4.9	0.3	2		8260	srh	6/16/99
cis-1,2-Dichloroethene	25	ug/l	0.4	1.3	7	2		8260	srh	6/16/99
cis-1,3-Dichloropropene	< 0.48	ug/l	0.48	1.5	0.02	2		8260	srh	6/16/99
Dibromochloromethane	< 0.42	ug/l	0.42	1.3	6	2		8260	srh	6/16/99
Dibromomethane	< 0.7	ug/l	0.7	2.2	ns	2		8260	srh	6/16/99
Dichlorodifluoromethane	< 0.72	ug/l	0.72	2.3	200	2		8260	srh	6/16/99
Ethylbenzene	< 0.32	ug/l	0.32	1	140	2		8260	srh	6/16/99
Hexachlorobutadiene	< 0.44	ug/l	0.44	1.4	ns	2		8260	srh	6/16/99
Isopropyl Ether	< 0.64	ug/l	0.64	2	ns	2		8260	srh	6/16/99
Isopropylbenzene	< 0.32	ug/l	0.32	1	ns	2		8260	srh	6/16/99
m&p-xylene	< 0.72	ug/l	0.72	2.3	124	2		8260	srh	6/16/99
Methyl-t-butyl ether	< 0.42	ug/l	0.42	1.3	12	2		8260	srh	6/16/99
Methylene chloride	< 1.5	ug/l	1.5	4.8	0.5	2		8260	srh	6/16/99
n-Butylbenzene	< 0.46	ug/l	0.46	1.5	ns	2		8260	srh	6/16/99
n-Propylbenzene	< 0.5	ug/l	0.5	1.6	ns	2		8260	srh	6/16/99
Naphthalene	< 0.92	ug/l	0.92	2.9	8	2		8260	srh	6/16/99
o-xylene	< 0.36	ug/l	0.36	1.1	124	2		8260	srh	6/16/99
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	ns	2		8260	srh	6/16/99
sec-Butylbenzene	< 0.6	ug/l	0.6	1.9	ns	2		8260	srh	6/16/99
Styrene	< 0.42	ug/l	0.42	1.3	10	2		8260	srh	6/16/99
tert-Butylbenzene	< 0.4	ug/l	0.4	1.3	ns	2		8260	srh	6/16/99
Tetrachloroethene	< 0.58	ug/l	0.58	1.8	0.5	2		8260	srh	6/16/99
Toluene	< 0.66	ug/l	0.66	2.1	68.6	2		8260	srh	6/16/99
trans-1,2-Dichloroethene	1.8	ug/l	0.32	1	20	2		8260	srh	6/16/99
trans-1,3-Dichloropropene	< 0.4	ug/l	0.4	1.3	0.02	2		8260	srh	6/16/99
Trichloroethene	98	ug/l	0.32	1	0.5	2		8260	srh	6/16/99
Trichlorofluoromethane	< 0.68	ug/l	0.68	2.2	ns	2		8260	srh	6/16/99
Vinyl chloride	< 0.42	ug/l	0.42	1.3	0.02	2		8260	srh	6/16/99

Sample Number: 15436 QC Prep Batch Number: 991252 *Sample analyzed within 9 Day(s) from collection.*
Client ID: 990614EW04 Sample Description: *Collection: 6/14/99 Time: 13:45*

1,1,1,2-Tetrachloroethane	< 4	ug/l	4	13	ns	20		8260	srh	6/23/99
1,1,1-Trichloroethane	595	ug/l	4.6	15	40	20		8260	srh	6/23/99
1,1,2,2-Tetrachloroethane	< 5.8	ug/l	5.8	18	0.02	20		8260	srh	6/23/99
1,1,2-Trichloroethane	< 5.8	ug/l	5.8	18	0.5	20		8260	srh	6/23/99
1,1-Dichloroethane	18	ug/l	3	9.5	85	20		8260	srh	6/23/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990459
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	51	ug/l	7.2	23	0.7	20		8260	srh	6/23/99
1,1-Dichloropropene	<9.8	ug/l	9.8	31	ns	20		8260	srh	6/23/99
1,2,3-Trichlorobenzene	<4.4	ug/l	4.4	14	ns	20		8260	srh	6/23/99
1,2,3-Trichloropropane	<12	ug/l	12	38	ns	20		8260	srh	6/23/99
1,2,4-Trichlorobenzene	<3.2	ug/l	3.2	10	14	20		8260	srh	6/23/99
1,2,4-Trimethylbenzene	<5.8	ug/l	5.8	18	ns	20		8260	srh	6/23/99
1,2-Dibromoethane	<4.8	ug/l	4.8	15	0.005	20		8260	srh	6/23/99
1,2-Dichlorobenzene	<4	ug/l	4	13	60	20		8260	srh	6/23/99
1,2-Dichloroethane	<3.8	ug/l	3.8	12	0.5	20		8260	srh	6/23/99
1,2-Dichloropropane	<4.6	ug/l	4.6	15	0.5	20		8260	srh	6/23/99
1,3,5-Trimethylbenzene	<4.6	ug/l	4.6	15	ns	20		8260	srh	6/23/99
1,3-Dichlorobenzene	<3.8	ug/l	3.8	12	125	20		8260	srh	6/23/99
1,3-Dichloropropane	<4.2	ug/l	4.2	13	ns	20		8260	srh	6/23/99
1,4-Dichlorobenzene	<3	ug/l	3	9.5	15	20		8260	srh	6/23/99
12Dibromo-3-chloropropan	<12	ug/l	12	38	0.02	20		8260	srh	6/23/99
2,2-Dichloropropane	<8	ug/l	8	25	ns	20		8260	srh	6/23/99
2-Butanone (MEK)	<28	ug/l	28	88	90	20		8260	srh	6/23/99
2-Chloroethyl Vinyl Ether	<5.8	ug/l	5.8	18	ns	20		8260	srh	6/23/99
2-Chlorotoluene	<3	ug/l	3	9.5	ns	20		8260	srh	6/23/99
4-Chlorotoluene	<5	ug/l	5	16	ns	20		8260	srh	6/23/99
4-Methyl-2-Pentanone	<17	ug/l	17	53	50	20		8260	srh	6/23/99
Acetone	<31	ug/l	31	99	200	20		8260	srh	6/23/99
Benzene	<3.8	ug/l	3.8	12	0.5	20		8260	srh	6/23/99
Bromobenzene	<3.8	ug/l	3.8	12	ns	20		8260	srh	6/23/99
Bromochloromethane	<6.8	ug/l	6.8	22	ns	20		8260	srh	6/23/99
Bromodichloromethane	<5.2	ug/l	5.2	17	0.06	20		8260	srh	6/23/99
Bromoform	<9.4	ug/l	9.4	30	0.44	20		8260	srh	6/23/99
Bromomethane	<4.2	ug/l	4.2	13	1	20		8260	srh	6/23/99
Carbon tetrachloride	<4.4	ug/l	4.4	14	0.5	20		8260	srh	6/23/99
Chlorobenzene	<4	ug/l	4	13	20	20		8260	srh	6/23/99
Chloroethane	<23	ug/l	23	74	80	20		8260	srh	6/23/99
Chloroform	<5.4	ug/l	5.4	17	0.6	20		8260	srh	6/23/99
Chloromethane	<15	ug/l	15	49	0.3	20		8260	srh	6/23/99
cis-1,2-Dichloroethene	101	ug/l	4	13	7	20		8260	srh	6/23/99
cis-1,3-Dichloropropene	<4.8	ug/l	4.8	15	0.02	20		8260	srh	6/23/99
Dibromochloromethane	<4.2	ug/l	4.2	13	6	20		8260	srh	6/23/99
Dibromomethane	<7	ug/l	7	22	ns	20		8260	srh	6/23/99
Dichlorodifluoromethane	<7.2	ug/l	7.2	23	200	20		8260	srh	6/23/99
Ethylbenzene	<3.2	ug/l	3.2	10	140	20		8260	srh	6/23/99
Hexachlorobutadiene	<4.4	ug/l	4.4	14	ns	20		8260	srh	6/23/99
Isopropyl Ether	<6.4	ug/l	6.4	20	ns	20		8260	srh	6/23/99
Isopropylbenzene	<3.2	ug/l	3.2	10	ns	20		8260	srh	6/23/99
m&p-xylene	<7.2	ug/l	7.2	23	124	20		8260	srh	6/23/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990459
DATE REPORTED: 23-Jun-99
DATE RECEIVED: 15-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly & Ext. Well
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	<4.2	ug/l	4.2	13	12	20		8260	srh	6/23/99
Methylene chloride	<15	ug/l	15	48	0.5	20		8260	srh	6/23/99
n-Butylbenzene	<4.6	ug/l	4.6	15	ns	20		8260	srh	6/23/99
n-Propylbenzene	<5	ug/l	5	16	ns	20		8260	srh	6/23/99
Naphthalene	<9.2	ug/l	9.2	29	8	20		8260	srh	6/23/99
o-xylene	<3.6	ug/l	3.6	11	124	20		8260	srh	6/23/99
p-Isopropyltoluene	<3.6	ug/l	3.6	11	ns	20		8260	srh	6/23/99
sec-Butylbenzene	<6	ug/l	6	19	ns	20		8260	srh	6/23/99
Styrene	<4.2	ug/l	4.2	13	10	20		8260	srh	6/23/99
tert-Butylbenzene	<4	ug/l	4	13	ns	20		8260	srh	6/23/99
Tetrachloroethene	40	ug/l	5.8	18	0.5	20		8260	srh	6/23/99
Toluene	<6.6	ug/l	6.6	21	68.6	20		8260	srh	6/23/99
trans-1,2-Dichloroethene	73	ug/l	3.2	10	20	20		8260	srh	6/23/99
trans-1,3-Dichloropropene	<4	ug/l	4	13	0.02	20		8260	srh	6/23/99
Trichloroethene	1320	ug/l	3.2	10	0.5	20		8260	srh	6/23/99
Trichlorofluoromethane	<6.8	ug/l	6.8	22	ns	20		8260	srh	6/23/99
Vinyl chloride	<4.2	ug/l	4.2	13	0.02	20		8260	srh	6/23/99

Sample Number: **15437** QC Prep Batch Number: 991252 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **990614EW05** Sample Description: *Collection: 6/14/99 Time: 14:05*

1,1,1,2-Tetrachloroethane	<2	ug/l	2	6.4	ns	10		8260	srh	6/16/99
1,1,1-Trichloroethane	399	ug/l	2.3	7.3	40	10		8260	srh	6/16/99
1,1,2,2-Tetrachloroethane	<2.9	ug/l	2.9	9.2	0.02	10		8260	srh	6/16/99
1,1,2-Trichloroethane	<2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/16/99
1,1-Dichloroethane	56	ug/l	1.5	4.8	85	10		8260	srh	6/16/99
1,1-Dichloroethene	11	ug/l	3.6	11	0.7	10	J	8260	srh	6/16/99
1,1-Dichloropropene	<4.9	ug/l	4.9	16	ns	10		8260	srh	6/16/99
1,2,3-Trichlorobenzene	<2.2	ug/l	2.2	7	ns	10		8260	srh	6/16/99
1,2,3-Trichloropropane	<6	ug/l	6	19	ns	10		8260	srh	6/16/99
1,2,4-Trichlorobenzene	<1.6	ug/l	1.6	5.1	14	10		8260	srh	6/16/99
1,2,4-Trimethylbenzene	<2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/16/99
1,2-Dibromoethane	<2.4	ug/l	2.4	7.6	0.005	10		8260	srh	6/16/99
1,2-Dichlorobenzene	<2	ug/l	2	6.4	60	10		8260	srh	6/16/99
1,2-Dichloroethane	<1.9	ug/l	1.9	6	0.5	10		8260	srh	6/16/99
1,2-Dichloropropane	<2.3	ug/l	2.3	7.3	0.5	10		8260	srh	6/16/99
1,3,5-Trimethylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/16/99
1,3-Dichlorobenzene	<1.9	ug/l	1.9	6	125	10		8260	srh	6/16/99
1,3-Dichloropropane	<2.1	ug/l	2.1	6.7	ns	10		8260	srh	6/16/99
1,4-Dichlorobenzene	<1.5	ug/l	1.5	4.8	15	10		8260	srh	6/16/99
12Dibromo-3-chloropropan	<5.9	ug/l	5.9	19	0.02	10		8260	srh	6/16/99
2,2-Dichloropropane	<4	ug/l	4	13	ns	10		8260	srh	6/16/99
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	srh	6/16/99

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**990459**
DATE REPORTED:	23-Jun-99
DATE RECEIVED:	15-Jun-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly & Ext. Well
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	srh	6/16/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	srh	6/16/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	srh	6/16/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	srh	6/16/99
Acetone	< 16	ug/l	16	49	200	10		8260	srh	6/16/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	srh	6/16/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	srh	6/16/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	srh	6/16/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	srh	6/16/99
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	srh	6/16/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	srh	6/16/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	srh	6/16/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	srh	6/16/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	srh	6/16/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	srh	6/16/99
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	srh	6/16/99
cis-1,2-Dichloroethene	83	ug/l	2	6.4	7	10		8260	srh	6/16/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	srh	6/16/99
Dibromochloromethane	< 2.1	ug/l	2.1	6.7	6	10		8260	srh	6/16/99
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	srh	6/16/99
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	srh	6/16/99
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	srh	6/16/99
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	srh	6/16/99
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	srh	6/16/99
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	srh	6/16/99
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	srh	6/16/99
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	srh	6/16/99
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	srh	6/16/99
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	srh	6/16/99
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	srh	6/16/99
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	srh	6/16/99
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	srh	6/16/99
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	srh	6/16/99
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	srh	6/16/99
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	srh	6/16/99
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	srh	6/16/99
Tetrachloroethene	< 2.9	ug/l	2.9	9.2	0.5	10		8260	srh	6/16/99
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	srh	6/16/99
trans-1,2-Dichloroethene	8.1	ug/l	1.6	5.1	20	10		8260	srh	6/16/99
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	srh	6/16/99
Trichloroethene	1070	ug/l	1.6	5.1	0.5	10		8260	srh	6/16/99
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	srh	6/16/99
Vinyl chloride	6.6	ug/l	2.1	6.7	0.02	10	J	8260	srh	6/16/99