April 15, 2000

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

Re: Monthly Monitoring Report for the Oconomowoc Groundwater Treatment Facility

Dear Mr. Kozol:

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

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

Sincerely,

Dean Groleau

Dean Groleau, Plant Superintendent
APL, Inc.

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

MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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

April 15, 2000

1.0 Introduction

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

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

1.1 Site Background Review

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

The contact person is Steven Brossart of the U.S. Army Corps of Engineers (USACE). Mr. Brossart's phone number is (507) 454-6150, Fax (507) 454-4963. APL, Inc. is contracted by the USACE to operate and maintain the plant. The contact for the Treatment Plant is Dean Groleau who can be reached at (920) 474-3212, Fax (920) 474-4241. The contact for APL, Inc. is James Chang, who can be reached at (414) 355-5800, Fax (414) 355-3099.

1.2 Project Objectives

The objective of this project is to prevent the spreading of any plume of contamination that may exist at the site. Contaminated groundwater is pumped from five extraction wells, treated for cyanide, metals, suspended solids, and volatile organic compounds (VOC's). The treated water is then transferred to a groundwater effluent gallery, located south of Elm Street, near Davey Creek.

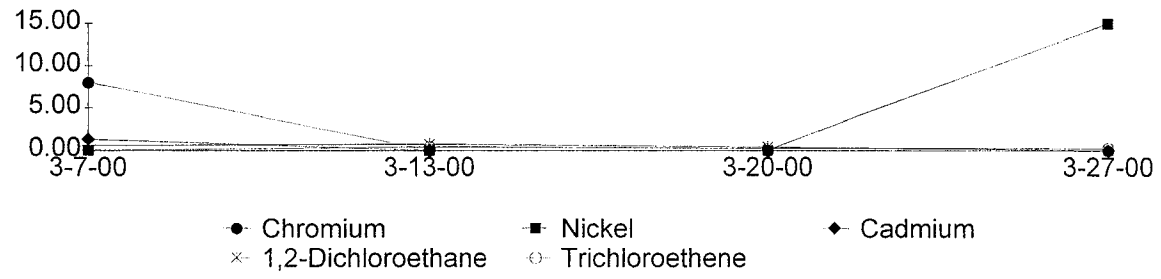
1.3 Effluent Monitoring

Weekly monitoring was conducted on March 7, 13, 20 and 27. The weekly samples for March were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in March showed three exceedences of the WDNR effluent discharge permit for 1,2-Dichloroethane on the March 7 and 13 samplings and for Total Cadmium on the March 7 sampling. The possible causes of the high levels of 1,2-Dichloroethane and Total Cadmium are discussed in Section 2.0.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



1.5 Extraction Well Monitoring

A fifth round of Extraction Well sampling was conducted on March 7. The Extraction Well sampling is conducted on a quarterly basis. The results of the Extraction Wells' analyses are enclosed with this report.

1.6 Monitoring Well Sampling

Another round of Monitoring Well sampling was conducted on March 8 and 9. The Monitoring Well sampling is conducted on a quarterly basis. The results of the Monitoring Wells' analyses are enclosed with this report.

2.0 Plant Permit Exceedences

Paul Kozol, of the WDNR, was notified about the exceedences of 1,2-Dichloroethane on the March 7 and 13 samplings. The results of the March 7 sampling of 1,2-Dichloroethane was 0.58 ug/l and, on March 13, it was 0.72 ug/l. The permit limit for 1,2-Dichloroethane is 0.5 ug/l. Mr. Kozol authorized the treatment plant to continue to operate based on the in-house sampling that was conducted by APL, Inc. to attempt to find the source of the 1,2-Dichloroethane. The Carbon in the Granulated Activated Carbon Filters (GAC-650/651) was changed out on March 3 and 9. It was suspected that the VOC vials stored in the Maintenance Room may have been contaminated. On March 20, the effluent was split-sampled using the old VOC vials and using new VOC vials from an unopened case. The results from the March 20 sampling was 0.4 ug/l of 1,2-Dichloroethane and 0.24 ug/l of Trichloroethene in the old VOC vials and "Less Than The Level of Detection" on all VOC's using the new VOC vials. There was no 1,2-Dichloroethane detected in the March 27 sampling results.

During the March 7 sampling, there was also an exceedence on Total Cadmium. The permit limit for Total Cadmium is 0.5 ug/l and the result of the March 7 sampling was 1.3 ug/l. The source for the Total Cadmium exceedence is still under investigation. Mr. Kozol was notified and authorized the Treatment Plant to remain in operation because the March 13, 20, and 27 sampling results for Total Cadmium were "Less Than The Level of Detection."

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down four times for a total of 17.75 hours in March, 2000. The shut downs were due to High Effluent pH, a Clogged Discharge Line from CRT-211, and Sludge Removal From the Rapid Mix Tank. Table 1 shows the summary of the plant down times for the month of March, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
3-3-00	0.25	Shut Down Due to High Effluent pH
3-5/6-00	16.25	Shut Down Due to High Effluent pH
3-8-00	0.75	Shut Down Due to Clogged CRT-211 Discharge Line
3-30-00	0.5	Shut Down Due to Sludge Removal From RMT-301
TOTAL	**17.75**	

3.1 Shut Downs Due To High Effluent pH

On March 3, the treatment plant shut down due to a high pH in the Effluent Holding Tank (EHT-700). The EHT-700 was recirculated to the Equalization Tank (EQT-100) through the floor trench Sump Pumps (SP-960A/B). Concentrated Sulfuric Acid was redirected to the EHT-700 from the Neutralization Stage (RMT-451) until the pH lowered < 9.0. The Granulated Activated Carbon Filter (GAC-651) was by-passed until March 5. It was just put back in-line prior to this incident. The total down time was 0.25 hour. On March 5, GAC-651 was put back in line and was maintaining a pH between 6.0 and 9.0 when the operator left for the day. At 1340, on March 5, the treatment plant shut down due to high effluent pH, again. At 0535, on March 6, the treatment plant was discovered shut down upon the arrival of the operator. The treatment plant was restarted in the Manual mode and the effluent in the EHT-700 was used to backwash the Tertiary Filtration System (TF-600) and concentrated Sulfuric Acid was redirected to the EHT-700 from RMT-451 until the pH lowered < 9.0. The total down time was 16.25 hours. The causes for the high effluent pH is not certain. Several things occurred on March 3 that may be responsible for the incident. New Carbon was put in GAC-651 and put in-line and GAC-650 was by-passed and drained. The first and second stages of the Metals Package (CRT-201/211) were cleaned and put back in line. A new shipment of Sodium Hypochlorite was received and the Sodium Hypochlorite System was reactivated after being shut down for 5 days.

A batch of concentrated Sulfuric Acid was received and transferred to the pumping barrel (SAT-750) which may have been weaker than normal. It is also suspected that the regeneration process used on the new Carbon may be of a basic nature and caused the pH in the Effluent to rise > 9.0 and shut the system down to prevent any discharge. Each time, APL Inc., WDNR, and USACE were notified.

3.2 Shut Down for Clogged CRT-211 Discharge Line

On March 8, the treatment plant was shut down to unclog the discharge line from the Cyanide Reaction Tank (CRT-211) to the Rapid Mix Tank (RMT-311). CRT-211 was partially drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-121). The access cover was removed from CRT-211 and the mixer and chemical feed pumps were shut down and isolated. The discharge line was clogged with sludge/hardness due to operating the treatment system at low flows because of the clogged Extraction Well pumps. The treatment plant was shut down and the access cover was removed from the Rapid Mix Tank (RMT-311) and the mixer was shut down and isolated. The discharge line was augured out using the water jetter and power washer. The tanks were put back in line, filled, and all appropriate chemical feed pumps and mixers were activated. The access covers were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 45 minutes. APL Inc., WDNR, and USACE were notified.

3.3 Shut Down for Sludge Removal From RMT-301

On March 30, the treatment plant was shut down at 7:50 A.M. to remove sludge from the bottom of the Rapid Mix Tank (RMT-301). The pH probe (PHIC-303) was setting in the sludge and was giving a false pH of 11.4, but when the probe was removed, cleaned, and inserted at the top of the tank, the actual pH was 10.5. The actual pH would not allow the polymer to flocculate with the metals. The access covers were removed from the Rapid Mix Tank (RMT-311), the mixer was shut down and isolated, and the pH probe was removed. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-121). All walls, floor, and mixer were cleaned with the pressure washer. At 8:20, the treatment plant was restarted, the tanks were put back in line, filled, all appropriate chemical feed pumps and mixers were activated. The access covers and pH probe were reinstalled. All levels, flows, and flocculation returned to normal operating parameters. Total down time was 30 minutes. APL Inc., WDNR, and USACE were notified.

4.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on March 7, 13, 20, and 27 of 2000. Another round of Extraction and Monitoring Wells' sampling was conducted in March 2000. The laboratory results of these samples showed that 1,2-Dichloroethane and Total Cadmium exceeded the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of March, 2000, the treatment plant was shut down four times for a total of 17.75 hours. See Table 1, Section 3.0 for shut down times. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by April 15, 2000.

FLOW FROM EXTRACTION WELLS

YEAR: 2000

MONTH: March DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	5,883,220.00	34,634.00	0.035	SHUT DOWN
2	5,917,854.00	36,091.00	0.036	SHUT DOWN
3	5,953,945.00	28,632.00	0.029	
4	5,982,577.00	35,013.00	0.035	
5	6,017,590.00	16,386.00	0.016	SHUT DOWN
6	6,033,976.00	33,471.00	0.033	SHUT DOWN
7	6,067,447.00	32,079.00	0.032	
8	6,099,526.00	30,929.00	0.031	SHUT DOWN
9	6,130,455.00	11,771.00	0.012	SHUT DOWN
10	6,142,226.00	30,500.00	0.031	SHUT DOWN
11	6,172,726.00	34,831.00	0.035	
12	6,207,557.00	40,529.00	0.041	
13	6,248,086.00	33,115.00	0.033	
14	6,281,201.00	33,510.00	0.034	
15	6,314,711.00	35,909.00	0.036	
16	6,350,620.00	28,804.00	0.029	
17	6,379,424.00	34,730.00	0.035	
18	6,414,154.00	32,150.00	0.032	
19	6,446,304.00	40,156.00	0.040	
20	6,486,460.00	32,809.00	0.033	
21	6,519,269.00	33,524.00	0.034	
22	6,552,793.00	24,861.00	0.025	
23	6,577,654.00	34,722.00	0.035	SHUT DOWN
24	6,612,376.00	20,082.00	0.020	
25	6,632,458.00	32,413.00	0.032	
26	6,664,871.00	36,464.00	0.036	
27	6,701,335.00	44,642.10	0.045	
28	6,745,977.10	22,651.90	0.023	
29	6,768,629.00	27,098.00	0.027	
30	6,795,727.00	35,895.00	0.036	SHUT DOWN
31	6,831,622.00	26,038.00	0.026	
April 01	6,857,660.00			
		TOTAL	0.977	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2000				
MONTH: March DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	9,164,612.00	42,373.00	0.042	
2	9,206,985.00	39,408.00	0.039	
3	9,246,393.00	32,332.00	0.032	SHUT DOWN
4	9,278,725.00	41,628.00	0.042	
5	9,320,353.00	20,681.00	0.021	SHUT DOWN
6	9,341,034.00	43,072.00	0.043	SHUT DOWN
7	9,384,106.00	38,059.00	0.038	
8	9,422,165.00	39,043.00	0.039	SHUT DOWN
9	9,461,208.00	43,849.00	0.044	
10	9,505,057.00	35,561.00	0.036	
11	9,540,618.00	41,301.00	0.041	
12	9,581,919.00	50,319.00	0.050	
13	9,632,238.00	39,486.00	0.039	
14	9,671,724.00	40,723.00	0.041	
15	9,712,447.00	42,926.00	0.043	
16	9,755,373.00	35,941.00	0.036	
17	9,791,314.00	42,917.00	0.043	
18	9,834,231.00	37,397.00	0.037	
19	9,871,628.00	47,311.00	0.047	
20	9,918,939.00	41,252.00	0.041	
21	9,960,191.00	42,343.93	0.042	
22	10,002,534.93	34,148.29	0.034	
23	10,036,683.22	48,790.30	0.049	
24	10,085,473.52	25,461.08	0.025	
25	10,110,934.60	40,114.50	0.040	
26	10,151,049.10	43,825.50	0.044	
27	10,194,874.60	51,102.50	0.051	
28	10,245,977.10	37,481.20	0.037	
29	10,283,458.30	45,297.70	0.045	
30	10,328,756.00	37,516.90	0.038	SHUT DOWN
31	10,366,272.90	37,516.90	0.038	
April 01	10,403,789.80			
		TOTAL	1.237	
		AVERAGE	0.040	

EFFLUENT FLOW FROM PLANT

YEAR: 2000

MONTH: March DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	3,056,341.00	18,085.00	36,170.00	0.036	
2	3,074,426.00	16,453.00	32,906.00	0.033	
3	3,090,879.00	16,573.00	33,146.00	0.033	SHUT DOWN
4	3,107,452.00	16,573.00	33,146.00	0.033	
5	3,124,025.00	7,236.00	14,472.00	0.014	SHUT DOWN
6	3,131,261.00	19,059.00	38,118.00	0.038	SHUT DOWN
7	3,150,320.00	16,309.00	32,618.00	0.033	
8	3,166,629.00	16,645.00	33,290.00	0.033	SHUT DOWN
9	3,183,274.00	4,853.00	9,706.00	0.010	BY-PASSED
10	3,188,127.00	16,981.00	33,962.00	0.034	BY-PASSED
11	3,205,108.00	16,625.00	33,250.00	0.033	
12	3,221,733.00	19,835.00	39,670.00	0.040	
13	3,241,568.00	19,642.00	39,284.00	0.039	
14	3,261,210.00	17,272.00	34,544.00	0.035	
15	3,278,482.00	18,802.00	37,604.00	0.038	
16	3,297,284.00	15,662.00	31,324.00	0.031	
17	3,312,946.00	20,815.00	41,630.00	0.042	
18	3,333,761.00	15,836.00	31,672.00	0.032	
19	3,349,597.00	19,883.00	39,766.00	0.040	
20	3,369,480.00	17,436.00	34,872.00	0.035	
21	3,386,916.00	14,971.00	29,942.00	0.030	
22	3,401,887.00	13,472.00	26,944.00	0.027	
23	3,415,359.00	19,566.00	39,132.00	0.039	
24	3,434,925.00	11,407.00	22,814.00	0.023	
25	3,446,332.00	16,290.00	32,580.00	0.033	
26	3,462,622.00	16,047.00	32,094.00	0.032	
27	3,478,669.00	21,091.00	42,182.00	0.042	
28	3,499,760.00	16,191.00	32,382.00	0.032	
29	3,515,951.00	17,389.00	34,778.00	0.035	
30	3,533,340.00	14,884.00	29,768.00	0.030	SHUT DOWN
31	3,548,224.00	15,764.00	31,528.00	0.032	
April 01	3,563,988.00				
			TOTAL	1.017	
			AVERAGE	0.033	

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	3-7-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11	6.5	N/A	8.5	Monitor	
TSS	3	NT	NT	NT	1.5	Monitor	mg/l
Arsenic	7.9	ND	NT	NT	ND	5	
Barium	110	20	NT	NT	20	400	
Cadmium	ND	ND	NT	NT	1.3	0.5	
Cadmium Total Recoverable	ND	ND	NT	NT	0.74	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	ND	NT	NT	8	10	
Copper	ND	ND	NT	NT	ND	Monitor	
Iron	1300	60	NT	NT	450	Monitor	
Lead	ND	ND	NT	NT	ND	1.5	
Manganese	170	6	NT	NT	20	Monitor	
Mercury	ND	ND	NT	NT	ND	0.2	
Nickel	80	10	NT	NT	ND	20	
Selenium	ND	ND	NT	NT	ND	10	
Silver	ND	ND	NT	NT	ND	10	
Thallium	ND	ND	NT	NT	ND	0.4	
Zinc	20	10	NT	NT	20	Monitor	
Cyanide	20	ND	NT	NT	ND	40	
Cyanide Free	ND	ND	NT	NT	ND	Monitor	
1,1-Dichloroethane	36	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	0.47	NT	0.58	0.5	
1,1-Dichloroethene	17	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	52	NT	ND	NT	ND	7	
1,2-Dichloroethene Trans	17	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	6.1	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	188	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	481	NT	ND	NT	ND	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	20	NT	NT	NT	ND	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	0.14	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.24	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	1.2	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	3-13-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.3	11	N/A	N/A	8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	6.8	NT	NT	NT	ND	5	
Barium	20	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	50	NT	NT	NT	ND	10	
Copper	3200	NT	NT	NT	ND	Monitor	
Iron	880	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	30	NT	NT	NT	8	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	50	NT	NT	NT	ND	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	10	NT	NT	NT	ND	10	
Thallium	1.9	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	ND	Monitor	
Cyanide	10	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	34	NT	0.24	NT	ND	85	
1,2-Dichloroethane	ND	NT	0.69	NT	0.72	0.5	
1,1-Dichloroethene	15	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	47	NT	0.4	NT	ND	7	
1,2-Dichloroethene Trans	15	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	6.6	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	172	NT	0.43	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	500	NT	1.9	NT	0.42	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:	3-20-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.2	11	N/A	N/A	7.9	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	30	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	1200	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	180	NT	NT	NT	10	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	ND	NT	NT	NT	ND	Monitor	
Cyanide	20	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	28	NT	ND	NT	ND/ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND/0.4	0.5	
1,1-Dichloroethene	15	NT	ND	NT	ND/ND	0.7	
1,2-Dichloroethene Cis	44	NT	ND	NT	ND/ND	7	
1,2-Dichloroethene Trans	14	NT	ND	NT	ND/ND	20	
Ethylbenzene	ND	NT	ND	NT	ND/ND	140	
Methylene Chloride	ND	NT	ND	NT	ND/ND	0.5	
Tetrachloroethene	6.7	NT	ND	NT	ND/ND	0.5	
Toluene	ND	NT	ND	NT	ND/ND	68	
1,1,1-Trichloroethane	171	NT	ND	NT	ND/ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND/ND	0.5	
TCE	504	NT	ND	NT	ND/0.24	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND/ND	0.2	
Xylene Total	ND	NT	ND	NT	ND/ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	3-27-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11	N/A	N/A	7.2	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	120	NT	NT	NT	30	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	1200	NT	NT	NT	190	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	170	NT	NT	NT	8	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	40	NT	NT	NT	15	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	20	Monitor	
Cyanide	9	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	26	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	14	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	42	NT	ND	NT	ND	7	
1,2-Dichloroethene Trans	13	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	6.4	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	166	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	511	NT	ND	NT	0.25	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

EXTRACTION WELLS					Date:	(ug/l) March 2000
Parameter	EW-1	EW-2	EW-3	EW-4	EW-5	WW-1
pH	7.4	7.4	7.3	7.2	7.4	7.6
Arsenic	ND	13	ND	ND	9.1	6.7
Barium	80	80	130	150	120	340
Cadmium	ND	0.87	3.5	ND	ND	ND
Cadmium Total Recoverable	ND	ND	3	ND	ND	ND
Chromium +6	ND	ND	ND	ND	ND	ND
Chromium Total	ND	ND	ND	ND	10	ND
Copper	ND	60	320	ND	9	30
Iron	430	910	2200	440	1900	450
Lead	4.5	12	46	4.5	2.8	2.3
Manganese	260	80	90	370	80	10
Mercury	ND	ND	ND	ND	ND	ND
Nickel	40	40	30	110	ND	ND
Selenium	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	2.7	ND	ND	ND
Zinc	20	50	1200	40	80	50
Cyanide	10	20	10	30	20	ND
Cyanide Free	ND	ND	10	10	ND	ND
1,1-Dichloroethane	ND	1.8	7.8	11	111	ND
1,2-Dichloroethane	0.65	0.65	0.53	1.2	ND	0.55
1,1-Dichloroethene	ND	ND	2.1	11	15	ND
1,2-Dichloroethene Cis	0.68	8.5	14	24	104	ND
1,2-Dichloroethene Trans	ND	3.1	1.1	10	8.4	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	3.9	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	0.34	3.9	107	211	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
TCE	6	11	64	260	785	ND
Vinyl Chloride	ND	ND	0.26	0.5	ND	ND
Chlorobenzene	0.4	0.36	0.26	0.8	5.6	0.37
Chloroethane	ND	ND	ND	8.4	ND	ND
Xylene Total	ND	ND	ND	ND	ND	ND

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) March 2000	
Parameter	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP	
pH	7.48	DRY	DRY	7.6	DRY	COVERED	
Conductivity	1080	NT	NT	640	NT	NT	uMHOS/CM
Arsenic	7.9	NT	NT	22	NT	NT	
Barium	70	NT	NT	80	NT	NT	
Cadmium	ND	NT	NT	ND	NT	NT	
Cadmium Total Recoverable	ND	NT	NT	ND	NT	NT	
Chromium +6	ND	NT	NT	ND	NT	NT	
Chromium Total	8	NT	NT	30	NT	NT	
Copper	ND	NT	NT	ND	NT	NT	
Iron	1800	NT	NT	4100	NT	NT	
Lead	ND	NT	NT	ND	NT	NT	
Manganese	50	NT	NT	10	NT	NT	
Mercury	ND	NT	NT	ND	NT	NT	
Nickel	ND	NT	NT	ND	NT	NT	
Selenium	ND	NT	NT	ND	NT	NT	
Silver	ND	NT	NT	ND	NT	NT	
Thallium	ND	NT	NT	ND	NT	NT	
Zinc	20	NT	NT	30	NT	NT	
Cyanide	ND	NT	NT	ND	NT	NT	
Cyanide Free	ND	NT	NT	ND	NT	NT	
1,1-Dichloroethane	0.32	NT	NT	57	NT	NT	
1,2-Dichloroethane	ND	NT	NT	ND	NT	NT	
1,1-Dichloroethene	ND	NT	NT	5.5	NT	NT	
1,2-Dichloroethene Cis	1.3	NT	NT	120	NT	NT	
1,2-Dichloroethene Trans	ND	NT	NT	7.3	NT	NT	
Ethylbenzene	ND	NT	NT	ND	NT	NT	
Methylene Chloride	ND	NT	NT	ND	NT	NT	
Tetrachloroethene	ND	NT	NT	ND	NT	NT	
Toluene	ND	NT	NT	ND	NT	NT	
1,1,1-Trichloroethane	ND	NT	NT	ND	NT	NT	
1,1,2-Trichloroethane	ND	NT	NT	ND	NT	NT	
TCE	0.45	NT	NT	639	NT	NT	
Vinyl Chloride	ND	NT	NT	ND	NT	NT	
Xylene Total	ND	NT	NT	ND	NT	NT	
Temperature (C)	9.7	NT	NT	6.7	NT	NT	

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) March 2000	
Parameter	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP	
pH	7.79	7.77	8.53	7.84	7.91	8.75	
Conductivity	1120	797	499	489	882	1323	uMHOS/CM
Arsenic	6.2	7.9	ND	8.5	9.1	ND	
Barium	110	70	60	40	100	50	
Cadmium	ND	ND	ND	0.92	ND	2.2	
Cadmium Total Recoverable	ND	ND	ND	ND	ND	1.9	
Chromium +6	ND	ND	ND	ND	ND	ND	
Chromium Total	50	20	870	ND	ND	80	
Copper	30	1500	70	10	ND	20	
Iron	930	3900	28000	760	280	42000	
Lead	ND	ND	5.2	ND	ND	ND	
Manganese	180	70	320	70	200	630	
Mercury	ND	ND	ND	ND	ND	ND	
Nickel	20	40	120	ND	ND	70	
Selenium	ND	ND	ND	ND	ND	ND	
Silver	ND	ND	ND	ND	ND	ND	
Thallium	ND	2.1	ND	2.3	ND	ND	
Zinc	30	ND	70	20	30	110	
Cyanide	ND	10	ND	ND	ND	9	
Cyanide Free	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	ND	163	ND	ND	0.21	ND	
1,2-Dichloroethane	ND	3.3	ND	ND	ND	ND	
1,1-Dichloroethene	ND	63	ND	ND	ND	ND	
1,2-Dichloroethene Cis	ND	36	ND	ND	4.4	280	
1,2-Dichloroethene Trans	ND	12	ND	ND	0.58	4.4	
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	218	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	
TCE	0.25	29	ND	ND	34	ND	
Vinyl Chloride	ND	1.5	ND	ND	ND	90	
Xylene Total	ND	ND	ND	ND	ND	ND	
Temperature (C)	5.6	5.8	4.6	7.9	10.1	4.7	

MONITOR WELL DEPTHS

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

MONITOR WELL DEPTHS

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000195**
DATE REPORTED:	24-Mar-00
DATE RECEIVED:	21-Mar-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEKLY Sampling
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: **18995**				QC Prep Batch Number: 993700			*Sample analyzed within*	*3*	*Day(s) from collection*	
Client ID: **00320WA09Q**	Sample Description:						*Collection:*	*3/20/2000*	*Time:*	*13:40*
1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/23/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/23/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/23/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/23/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	3/23/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/23/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/23/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/23/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/23/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/23/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/23/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/23/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/23/2000
1,2-Dichloroethane	0.4	ug/l	0.19	0.6	0.5	1	*J*	8260	cps	3/23/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/23/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/23/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/23/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/23/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/23/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/23/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/23/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/23/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/23/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/23/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/23/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/23/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/23/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/23/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/23/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/23/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/23/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/23/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/23/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/23/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	3/23/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/23/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/23/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/23/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/23/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/23/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000195**
DATE REPORTED: 24-Mar-00
DATE RECEIVED: 21-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEKLY Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/23/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/23/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/23/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/23/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/23/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/23/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/23/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/23/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/23/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/23/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/23/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/23/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/23/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/23/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/23/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/23/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/23/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/23/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/23/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/23/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/23/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/23/2000
Trichloroethene	0.24	ug/l	0.16	0.51	0.5	1	J	8260	cps	3/23/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/23/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/23/2000

Approved By: _____ **Date:** 4/3/00

James Chang, Ph.D. , Lab Director

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000180**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 14-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: **18922**				QC Prep Batch Number: 993677			*Sample analyzed within*	*4*	*Day(s) from collection.*	
Client ID: **00313WA01P**	Sample Description:						*Collection: 3/13/2000*		*Time: 13:10*	
1,1,1,2-Tetrachloroethane	<2	ug/l	2	6.4	ns	10		8260	cps	3/17/2000
1,1,1-Trichloroethane	172	ug/l	2.3	7.3	40	10		8260	cps	3/17/2000
1,1,2,2-Tetrachloroethane	<2.9	ug/l	2.9	9.2	0.02	10		8260	cps	3/17/2000
1,1,2-Trichloroethane	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	3/17/2000
1,1-Dichloroethane	34	ug/l	1.5	4.8	85	10		8260	cps	3/17/2000
1,1-Dichloroethene	15	ug/l	3.6	11	0.7	10		8260	cps	3/17/2000
1,1-Dichloropropene	<4.9	ug/l	4.9	16	ns	10		8260	cps	3/17/2000
1,2,3-Trichlorobenzene	<2.2	ug/l	2.2	7	ns	10		8260	cps	3/17/2000
1,2,3-Trichloropropane	<6	ug/l	6	19	ns	10		8260	cps	3/17/2000
1,2,4-Trichlorobenzene	<1.6	ug/l	1.6	5.1	14	10		8260	cps	3/17/2000
1,2,4-Trimethylbenzene	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/17/2000
1,2-Dibromoethane	<2.4	ug/l	2.4	7.6	0.005	10		8260	cps	3/17/2000
1,2-Dichlorobenzene	<2	ug/l	2	6.4	60	10		8260	cps	3/17/2000
1,2-Dichloroethane	<1.9	ug/l	1.9	6	0.5	10		8260	cps	3/17/2000
1,2-Dichloropropane	<2.3	ug/l	2.3	7.3	0.5	10		8260	cps	3/17/2000
1,3,5-Trimethylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/17/2000
1,3-Dichlorobenzene	<1.9	ug/l	1.9	6	125	10		8260	cps	3/17/2000
1,3-Dichloropropane	<2.1	ug/l	2.1	6.7	ns	10		8260	cps	3/17/2000
1,4-Dichlorobenzene	<1.5	ug/l	1.5	4.8	15	10		8260	cps	3/17/2000
12Dibromo-3-chloropropan	<5.9	ug/l	5.9	19	0.02	10		8260	cps	3/17/2000
2,2-Dichloropropane	<4	ug/l	4	13	ns	10		8260	cps	3/17/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	3/17/2000
2-Chloroethyl Vinyl Ether	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/17/2000
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	ns	10		8260	cps	3/17/2000
4-Chlorotoluene	<2.5	ug/l	2.5	8	ns	10		8260	cps	3/17/2000
4-Methyl-2-Pentanone	<8.4	ug/l	8.4	27	50	10		8260	cps	3/17/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	3/17/2000
Benzene	<1.9	ug/l	1.9	6	0.5	10		8260	cps	3/17/2000
Bromobenzene	<1.9	ug/l	1.9	6	ns	10		8260	cps	3/17/2000
Bromochloromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	3/17/2000
Bromodichloromethane	<2.6	ug/l	2.6	8.3	0.06	10		8260	cps	3/17/2000
Bromoform	<4.7	ug/l	4.7	15	0.44	10		8260	cps	3/17/2000
Bromomethane	<2.1	ug/l	2.1	6.7	1	10		8260	cps	3/17/2000
Carbon tetrachloride	<2.2	ug/l	2.2	7	0.5	10		8260	cps	3/17/2000
Chlorobenzene	<2	ug/l	2	6.4	20	10		8260	cps	3/17/2000
Chloroethane	<12	ug/l	12	37	80	10		8260	cps	3/17/2000
Chloroform	<2.7	ug/l	2.7	8.6	0.6	10		8260	cps	3/17/2000
Chloromethane	<7.7	ug/l	7.7	24	0.3	10		8260	cps	3/17/2000
cis-1,2-Dichloroethene	47	ug/l	2	6.4	7	10		8260	cps	3/17/2000
cis-1,3-Dichloropropene	<2.4	ug/l	2.4	7.6	0.02	10		8260	cps	3/17/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000180**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 14-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	3/17/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	3/17/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	3/17/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	3/17/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	3/17/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	3/17/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	3/17/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	3/17/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	3/17/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	3/17/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/17/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	3/17/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	3/17/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	3/17/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	3/17/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	3/17/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	3/17/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	3/17/2000
Tetrachloroethene	6.6	ug/l	2.9	9.2	0.5	10	J	8260	cps	3/17/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	3/17/2000
trans-1,2-Dichloroethene	15	ug/l	1.6	5.1	20	10		8260	cps	3/17/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	3/17/2000
Trichloroethene	500	ug/l	1.6	5.1	0.5	10		8260	cps	3/17/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	3/17/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	3/17/2000

Sample Number: **18927** QC Prep Batch Number: 993677 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **00313WA09P** Sample Description: *Collection: 3/13/2000 Time: 13:30*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/17/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	3/17/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/17/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/17/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	3/17/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/17/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/17/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/17/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/17/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	3/17/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/17/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/17/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	3/17/2000
1,2-Dichloroethane	0.72	ug/l	0.19	0.6	0.5	1		8260	cps	3/17/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000180**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 14-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/17/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/17/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/17/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/17/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/17/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/17/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/17/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/17/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/17/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/17/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/17/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/17/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/17/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/17/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/17/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/17/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/17/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/17/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/17/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/17/2000
Chlorobenzene	0.31	ug/l	0.2	0.64	20	1	J	8260	cps	3/17/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/17/2000
Chloroform	0.32	ug/l	0.27	0.86	0.6	1	J	8260	cps	3/17/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/17/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/17/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/17/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/17/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/17/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/17/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/17/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/17/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/17/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/17/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/17/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/17/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/17/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/17/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/17/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/17/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/17/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/17/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/17/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/17/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000180**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 14-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/17/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/17/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/17/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/17/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/17/2000
Trichloroethene	0.42	ug/l	0.16	0.51	0.5	1	J	8260	cps	3/17/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/17/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/17/2000

Sample Number: **18928** QC Prep Batch Number: 993677 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 3/13/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/17/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/17/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/17/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/17/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	3/17/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/17/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/17/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/17/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/17/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/17/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/17/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/17/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/17/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/17/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/17/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/17/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/17/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/17/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/17/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/17/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/17/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/17/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/17/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/17/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/17/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/17/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/17/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/17/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/17/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/17/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/17/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000180**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 14-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/17/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/17/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/17/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	3/17/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/17/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/17/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/17/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/17/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/17/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/17/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/17/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/17/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/17/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/17/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/17/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/17/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/17/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/17/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/17/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/17/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/17/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/17/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/17/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/17/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/17/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/17/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/17/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/17/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/17/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/17/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/17/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	3/17/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/17/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/17/2000

Sample Number: **18929** QC Prep Batch Number: 993677 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000313WA07P** Sample Description: *Collection: 3/13/2000 Time: 13:40*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/17/2000
1,1,1-Trichloroethane	0.43	ug/l	0.23	0.73	40	1	J	8260	cps	3/17/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/17/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/17/2000
1,1-Dichloroethane	0.24	ug/l	0.15	0.48	85	1	J	8260	cps	3/17/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000180**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 14-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/17/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/17/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/17/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/17/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/17/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/17/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/17/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/17/2000
1,2-Dichloroethane	0.69	ug/l	0.19	0.6	0.5	1		8260	cps	3/17/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/17/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/17/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/17/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/17/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/17/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/17/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/17/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/17/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/17/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/17/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/17/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/17/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/17/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/17/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/17/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/17/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/17/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/17/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/17/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/17/2000
Chlorobenzene	0.32	ug/l	0.2	0.64	20	1	J	8260	cps	3/17/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/17/2000
Chloroform	0.36	ug/l	0.27	0.86	0.6	1	J	8260	cps	3/17/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/17/2000
cis-1,2-Dichloroethene	0.4	ug/l	0.2	0.64	7	1	J	8260	cps	3/17/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/17/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/17/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/17/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/17/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/17/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/17/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/17/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/17/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/17/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000180**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 14-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/17/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/17/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/17/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/17/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/17/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/17/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/17/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/17/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/17/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/17/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/17/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/17/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/17/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/17/2000
Trichloroethene	1.9	ug/l	0.16	0.51	0.5	1		8260	cps	3/17/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/17/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/17/2000

Approved By: _____ **Date:** 3/31/00
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000180
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 14-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Nova Sample Number: 18922
Client ID: **00313WA01P**
Collection: 3/13/2000 Time: 13:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	6.8	ug/l	J RJ	5.6	18	206.2	rf	3/15/2000	993650
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	rf	3/20/00	993682
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	3/14/2000	993644
Chromium, Total - ICAP	0.05	mg/l	RJ	0.008	0.03	200.7	rf	3/20/00	993682
Copper- ICAP	3.2	mg/l	RJ	0.006	0.02	200.7	rf	3/20/00	993682
Iron - ICAP	0.88	mg/l	RJ	0.081	0.26	200.7	rf	3/20/00	993682
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	rf	3/14/2000	993640
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	rf	3/20/00	993682
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659
Nickel - ICAP	0.05	mg/l	RJ	0.011	0.03	200.7	rf	3/20/00	993682
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	993652
Silver - ICAP	0.01	mg/l	J RJ	0.004	0.01	200.7	rf	3/20/00	993682
Thallium - Furnace AA	1.9	ug/l	J RJ	1.7	5.4	279.2	rf	3/15/2000	993646
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	rf	3/20/00	993682
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	3/14/2000	993648
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	3/29/2000	993723
Cyanide, Total	0.01	mg/l	J RJ	0.006	0.02	335.2	dmd	3/27/2000	993709
pH (water)	7.3	s.u.	#			150.1	ag		993647

Nova Sample Number: 18923
Client ID: **00313WA09R**
Collection: 3/13/2000 Time: 13:35
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	rf	3/15/2000	993650
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	rf	3/20/00	993682
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	3/14/2000	993644
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	rf	3/20/00	993682
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	rf	3/20/00	993682
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	rf	3/20/00	993682
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	rf	3/14/2000	993640
Manganese - ICAP	0.008	mg/l	J RJ	0.006	0.02	200.7	rf	3/20/00	993682
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	rf	3/20/00	993682
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	993652

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000180**
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 14-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	rf	3/20/00	*993682*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	rf	3/20/00	*993682*	
pH (water)	**8**	**s.u.**	**#**			150.1	ag		*993647*	
Nova Sample Number: 18924										
Client ID: **00313WA02P**							Collection: 3/13/2000		Time: 13:15	
							Sample Description:			
pH (water)	**9.8**	**s.u.**	**#**			150.1	ag		*993647*	
Nova Sample Number: 18925										
Client ID: **00313WA03P**							Collection: 3/13/2000		Time: 13:20	
							Sample Description:			
pH (water)	**11**	**s.u.**	**#**			150.1	ag		*993647*	
Nova Sample Number: 18926										
Client ID: **00313WA05P**							Collection: 3/13/2000		Time: 13:25	
							Sample Description:			
pH (water)	**6.7**	**s.u.**	**#**			150.1	ag		*993647*	
Nova Sample Number: 18927										
Client ID: **00313WA09P**							Collection: 3/13/2000		Time: 13:30	
							Sample Description:			
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	3/14/2000	*993648*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	3/27/2000	*993710*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	dmd	3/27/2000	*993709*	

Approved By: _____ **Date:** 3/31/00
James Chang, Ph.D. , Lab Director

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

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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: **18871**	QC Prep Batch Number: 993681						*Sample analyzed within 12 Day(s) from collection.*			
Client ID: **000308MW5DP** Sample Description:							*Collection: 3/8/2000 Time: 10:45*			
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	3/20/2000
1,1,1-Trichloroethane	< 2.3	ug/l	2.3	7.3	40	10		8260	cps	3/20/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	3/20/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	3/20/2000
1,1-Dichloroethane	57	ug/l	1.5	4.8	85	10		8260	cps	3/20/2000
1,1-Dichloroethene	5.5	ug/l	3.6	11	0.7	10	J	8260	cps	3/20/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	3/20/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	3/20/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	3/20/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	3/20/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/20/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	3/20/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	3/20/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	3/20/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	3/20/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/20/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	3/20/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	3/20/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	3/20/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	3/20/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	3/20/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	3/20/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/20/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	3/20/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	3/20/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	3/20/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	3/20/2000
Benzene	2.6	ug/l	1.9	6	0.5	10	J	8260	cps	3/20/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	3/20/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	3/20/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	3/20/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	3/20/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	3/20/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	3/20/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	3/20/2000
Chloroethane	49	ug/l	12	37	80	10		8260	cps	3/20/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	3/20/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	3/20/2000
cis-1,2-Dichloroethene	120	ug/l	2	6.4	7	10		8260	cps	3/20/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	3/20/2000

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

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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	cps	3/20/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	3/20/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	3/20/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	3/20/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	3/20/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	3/20/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	3/20/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	3/20/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	3/20/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	3/20/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/20/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	3/20/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	3/20/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	3/20/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	3/20/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	3/20/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	3/20/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	3/20/2000
Tetrachloroethene	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	3/20/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	3/20/2000
trans-1,2-Dichloroethene	7.3	ug/l	1.6	5.1	20	10		8260	cps	3/20/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	3/20/2000
Trichloroethene	639	ug/l	1.6	5.1	0.5	10		8260	cps	3/20/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	3/20/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	3/20/2000

Sample Number: **18872** QC Prep Batch Number: 993681 *Sample analyzed within 12 Day(s) from collection.*
Client ID: **000308MW02D** Sample Description: *Collection: 3/8/2000 Time: 11:30*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/20/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	3/20/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/20/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
1,1-Dichloroethane	0.32	ug/l	0.15	0.48	85	1	J	8260	cps	3/20/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/20/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/20/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/20/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	3/20/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/20/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	3/20/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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	cps	3/20/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/20/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/20/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/20/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/20/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/20/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/20/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/20/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/20/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/20/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/20/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/20/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/20/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/20/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/20/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/20/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	3/20/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/20/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/20/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/20/2000
cis-1,2-Dichloroethene	1.3	ug/l	0.2	0.64	7	1		8260	cps	3/20/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/20/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/20/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/20/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/20/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/20/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/20/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/20/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/20/2000
Methyl-t-butyl ether	0.97	ug/l	0.21	0.67	12	1		8260	cps	3/20/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/20/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/20/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/20/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/20/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/20/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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	cps	3/20/2000
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	3/20/2000
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	3/20/2000
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/20/2000
Trichloroethene	0.45	ug/l	0.16	0.51	0.5	1	J	8260	cps	3/20/2000
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/20/2000

Sample Number: **18873** QC Prep Batch Number: 993681 *Sample analyzed within 12 Day(s) from collection.*
Client ID: **000308MW14D** Sample Description: *Collection: 3/8/2000 Time: 13:15*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/20/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	3/20/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/20/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	3/20/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/20/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/20/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/20/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	3/20/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/20/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	3/20/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/20/2000
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/20/2000
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	3/20/2000
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/20/2000
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	3/20/2000
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/20/2000
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/20/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	3/20/2000
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/20/2000
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	3/20/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	3/20/2000
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/20/2000
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/20/2000
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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	cps	3/20/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/20/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/20/2000
Chlorobenzene	0.27	ug/l	0.2	0.64	20	1	J	8260	cps	3/20/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/20/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/20/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/20/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/20/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/20/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/20/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/20/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/20/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/20/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/20/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/20/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/20/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/20/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/20/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/20/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/20/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/20/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/20/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/20/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/20/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/20/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/20/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/20/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	3/20/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/20/2000

Sample Number: **18874** QC Prep Batch Number: 993681 *Sample analyzed within 12 Day(s) from collection.*
Client ID: **000308MW15D** Sample Description: *Collection: 3/8/2000 Time: 14:30*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/20/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/20/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/20/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
1,1-Dichloroethane	0.21	ug/l	0.15	0.48	85	1	J	8260	cps	3/20/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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	cps	3/20/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/20/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/20/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/20/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/20/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/20/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/20/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/20/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/20/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/20/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/20/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/20/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/20/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/20/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/20/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/20/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/20/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/20/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/20/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/20/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/20/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/20/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/20/2000
Chlorobenzene	5.5	ug/l	0.2	0.64	20	1		8260	cps	3/20/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/20/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/20/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/20/2000
cis-1,2-Dichloroethene	4.4	ug/l	0.2	0.64	7	1		8260	cps	3/20/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/20/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/20/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/20/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/20/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/20/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/20/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/20/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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	1.1	ug/l	0.21	0.67	12	1		8260	cps	3/20/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/20/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/20/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/20/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/20/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/20/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/20/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/20/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/20/2000
trans-1,2-Dichloroethene	0.58	ug/l	0.16	0.51	20	1		8260	cps	3/20/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/20/2000
Trichloroethene	34	ug/l	0.16	0.51	0.5	1		8260	cps	3/20/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/20/2000

Sample Number: **18875** QC Prep Batch Number: 993681 *Sample analyzed within 11 Day(s) from collection*
Client ID: **000308MW12B** Sample Description: *Collection: 3/9/2000 Time: 11:00*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/20/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/20/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/20/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	3/20/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/20/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/20/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/20/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/20/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/20/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/20/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/20/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/20/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/20/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/20/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/20/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/20/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/20/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/20/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/20/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/20/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/20/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/20/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/20/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/20/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/20/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/20/2000
Chlorobenzene	0.52	ug/l	0.2	0.64	20	1	J	8260	cps	3/20/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/20/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/20/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/20/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/20/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/20/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/20/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/20/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/20/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/20/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/20/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/20/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/20/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/20/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/20/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/20/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/20/2000
p-Isopropyltoluene	12	ug/l	0.18	0.57	ns	1		8260	cps	3/20/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/20/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/20/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/20/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/20/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/20/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/20/2000
Trichloroethene	0.25	ug/l	0.16	0.51	0.5	1	J	8260	cps	3/20/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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: **18876**			QC Prep Batch Number: 993681				*Sample analyzed within 11 Day(s) from collection.*			
Client ID: **000308MW12D** Sample Description:							*Collection: 3/9/2000 Time: 11:30*			
1,1,1,2-Tetrachloroethane	< 0.5	ug/l	0.5	1.6	ns	2.5		8260	cps	3/20/2000
1,1,1-Trichloroethane	218	ug/l	0.58	1.8	40	2.5		8260	cps	3/20/2000
1,1,2,2-Tetrachloroethane	< 0.73	ug/l	0.73	2.3	0.02	2.5		8260	cps	3/20/2000
1,1,2-Trichloroethane	< 0.73	ug/l	0.73	2.3	0.5	2.5		8260	cps	3/20/2000
1,1-Dichloroethane	163	ug/l	0.38	1.2	85	2.5		8260	cps	3/20/2000
1,1-Dichloroethene	63	ug/l	0.9	2.9	0.7	2.5		8260	cps	3/20/2000
1,1-Dichloropropene	< 1.2	ug/l	1.2	3.9	ns	2.5		8260	cps	3/20/2000
1,2,3-Trichlorobenzene	< 0.55	ug/l	0.55	1.7	ns	2.5		8260	cps	3/20/2000
1,2,3-Trichloropropane	< 1.5	ug/l	1.5	4.8	ns	2.5		8260	cps	3/20/2000
1,2,4-Trichlorobenzene	< 0.4	ug/l	0.4	1.3	14	2.5		8260	cps	3/20/2000
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.3	ns	2.5		8260	cps	3/20/2000
1,2-Dibromoethane	< 0.6	ug/l	0.6	1.9	0.005	2.5		8260	cps	3/20/2000
1,2-Dichlorobenzene	< 0.5	ug/l	0.5	1.6	60	2.5		8260	cps	3/20/2000
1,2-Dichloroethane	3.3	ug/l	0.48	1.5	0.5	2.5		8260	cps	3/20/2000
1,2-Dichloropropane	< 0.58	ug/l	0.58	1.8	0.5	2.5		8260	cps	3/20/2000
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.8	ns	2.5		8260	cps	3/20/2000
1,3-Dichlorobenzene	< 0.48	ug/l	0.48	1.5	125	2.5		8260	cps	3/20/2000
1,3-Dichloropropane	< 0.53	ug/l	0.53	1.7	ns	2.5		8260	cps	3/20/2000
1,4-Dichlorobenzene	< 0.38	ug/l	0.38	1.2	15	2.5		8260	cps	3/20/2000
12Dibromo-3-chloropropan	< 1.5	ug/l	1.5	4.7	0.02	2.5		8260	cps	3/20/2000
2,2-Dichloropropane	< 1	ug/l	1	3.2	ns	2.5		8260	cps	3/20/2000
2-Butanone (MEK)	< 3.5	ug/l	3.5	11	90	2.5		8260	cps	3/20/2000
2-Chloroethyl Vinyl Ether	< 0.73	ug/l	0.73	2.3	ns	2.5		8260	cps	3/20/2000
2-Chlorotoluene	< 0.38	ug/l	0.38	1.2	ns	2.5		8260	cps	3/20/2000
4-Chlorotoluene	< 0.63	ug/l	0.63	2	ns	2.5		8260	cps	3/20/2000
4-Methyl-2-Pentanone	< 2.1	ug/l	2.1	6.7	50	2.5		8260	cps	3/20/2000
Acetone	< 3.9	ug/l	3.9	12	200	2.5		8260	cps	3/20/2000
Benzene	< 0.48	ug/l	0.48	1.5	0.5	2.5		8260	cps	3/20/2000
Bromobenzene	< 0.48	ug/l	0.48	1.5	ns	2.5		8260	cps	3/20/2000
Bromochloromethane	< 0.85	ug/l	0.85	2.7	ns	2.5		8260	cps	3/20/2000
Bromodichloromethane	< 0.65	ug/l	0.65	2.1	0.06	2.5		8260	cps	3/20/2000
Bromoform	< 1.2	ug/l	1.2	3.7	0.44	2.5		8260	cps	3/20/2000
Bromomethane	< 0.53	ug/l	0.53	1.7	1	2.5		8260	cps	3/20/2000
Carbon tetrachloride	< 0.55	ug/l	0.55	1.7	0.5	2.5		8260	cps	3/20/2000
Chlorobenzene	< 0.5	ug/l	0.5	1.6	20	2.5		8260	cps	3/20/2000
Chloroethane	< 2.9	ug/l	2.9	9.2	80	2.5		8260	cps	3/20/2000
Chloroform	0.75	ug/l	0.68	2.1	0.6	2.5	*J*	8260	cps	3/20/2000
Chloromethane	< 1.9	ug/l	1.9	6.1	0.3	2.5		8260	cps	3/20/2000
cis-1,2-Dichloroethene	36	ug/l	0.5	1.6	7	2.5		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	< 0.6	ug/l	0.6	1.9	0.02	2.5		8260	cps	3/20/2000
Dibromochloromethane	< 0.53	ug/l	0.53	1.7	6	2.5		8260	cps	3/20/2000
Dibromomethane	< 0.88	ug/l	0.88	2.8	ns	2.5		8260	cps	3/20/2000
Dichlorodifluoromethane	< 0.9	ug/l	0.9	2.9	200	2.5		8260	cps	3/20/2000
Ethylbenzene	< 0.4	ug/l	0.4	1.3	140	2.5		8260	cps	3/20/2000
Hexachlorobutadiene	< 0.55	ug/l	0.55	1.7	ns	2.5		8260	cps	3/20/2000
Isopropyl Ether	< 0.8	ug/l	0.8	2.5	ns	2.5		8260	cps	3/20/2000
Isopropylbenzene	< 0.4	ug/l	0.4	1.3	ns	2.5		8260	cps	3/20/2000
m&p-xylene	< 0.9	ug/l	0.9	2.9	124	2.5		8260	cps	3/20/2000
Methyl-t-butyl ether	< 0.53	ug/l	0.53	1.7	12	2.5		8260	cps	3/20/2000
Methylene chloride	< 1.9	ug/l	1.9	6	0.5	2.5		8260	cps	3/20/2000
n-Butylbenzene	< 0.58	ug/l	0.58	1.8	ns	2.5		8260	cps	3/20/2000
n-Propylbenzene	< 0.63	ug/l	0.63	2	ns	2.5		8260	cps	3/20/2000
Naphthalene	< 1.2	ug/l	1.2	3.7	8	2.5		8260	cps	3/20/2000
o-xylene	< 0.45	ug/l	0.45	1.4	124	2.5		8260	cps	3/20/2000
p-Isopropyltoluene	< 0.45	ug/l	0.45	1.4	ns	2.5		8260	cps	3/20/2000
sec-Butylbenzene	< 0.75	ug/l	0.75	2.4	ns	2.5		8260	cps	3/20/2000
Styrene	< 0.53	ug/l	0.53	1.7	10	2.5		8260	cps	3/20/2000
tert-Butylbenzene	< 0.5	ug/l	0.5	1.6	ns	2.5		8260	cps	3/20/2000
Tetrachloroethene	< 0.73	ug/l	0.73	2.3	0.5	2.5		8260	cps	3/20/2000
Toluene	< 0.83	ug/l	0.83	2.6	68.6	2.5		8260	cps	3/20/2000
trans-1,2-Dichloroethene	12	ug/l	0.4	1.3	20	2.5		8260	cps	3/20/2000
trans-1,3-Dichloropropene	< 0.5	ug/l	0.5	1.6	0.02	2.5		8260	cps	3/20/2000
Trichloroethene	29	ug/l	0.4	1.3	0.5	2.5		8260	cps	3/20/2000
Trichlorofluoromethane	< 0.85	ug/l	0.85	2.7	ns	2.5		8260	cps	3/20/2000
Vinyl chloride	1.5	ug/l	0.53	1.7	0.02	2.5	J	8260	cps	3/20/2000

Sample Number: **18877** QC Prep Batch Number: 993681 *Sample analyzed within 11 Day(s) from collection.*
Client ID: **000308MW13SP** Sample Description: *Collection: 3/9/2000 Time: 10:30*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/20/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/20/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/20/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	3/20/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/20/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/20/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/20/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/20/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/20/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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	cps	3/20/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/20/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/20/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/20/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/20/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/20/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/20/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/20/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/20/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/20/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/20/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/20/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/20/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/20/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/20/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/20/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/20/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/20/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	3/20/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/20/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/20/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/20/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/20/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/20/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/20/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/20/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/20/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/20/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/20/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/20/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/20/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/20/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/20/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/20/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/20/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/20/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/20/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/20/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/20/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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	cps	3/20/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/20/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/20/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/20/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/20/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/20/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	3/20/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/20/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/20/2000

Sample Number: **18878** QC Prep Batch Number: 993681 *Sample analyzed within 11 Day(s) from collection.*
Client ID: **000308MW16SP** Sample Description: *Collection: 3/9/2000 Time: 12:00*

1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	ns	5		8260	cps	3/20/2000
1,1,1-Trichloroethane	< 1.2	ug/l	1.2	3.7	40	5		8260	cps	3/20/2000
1,1,2,2-Tetrachloroethane	< 1.5	ug/l	1.5	4.6	0.02	5		8260	cps	3/20/2000
1,1,2-Trichloroethane	< 1.5	ug/l	1.5	4.6	0.5	5		8260	cps	3/20/2000
1,1-Dichloroethane	< 0.75	ug/l	0.75	2.4	85	5		8260	cps	3/20/2000
1,1-Dichloroethene	< 1.8	ug/l	1.8	5.7	0.7	5		8260	cps	3/20/2000
1,1-Dichloropropene	< 2.5	ug/l	2.5	7.8	ns	5		8260	cps	3/20/2000
1,2,3-Trichlorobenzene	< 1.1	ug/l	1.1	3.5	ns	5		8260	cps	3/20/2000
1,2,3-Trichloropropane	< 3	ug/l	3	9.5	ns	5		8260	cps	3/20/2000
1,2,4-Trichlorobenzene	< 0.8	ug/l	0.8	2.5	14	5		8260	cps	3/20/2000
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.6	ns	5		8260	cps	3/20/2000
1,2-Dibromoethane	< 1.2	ug/l	1.2	3.8	0.005	5		8260	cps	3/20/2000
1,2-Dichlorobenzene	< 1	ug/l	1	3.2	60	5		8260	cps	3/20/2000
1,2-Dichloroethane	< 0.95	ug/l	0.95	3	0.5	5		8260	cps	3/20/2000
1,2-Dichloropropane	< 1.2	ug/l	1.2	3.7	0.5	5		8260	cps	3/20/2000
1,3,5-Trimethylbenzene	< 1.2	ug/l	1.2	3.7	ns	5		8260	cps	3/20/2000
1,3-Dichlorobenzene	< 0.95	ug/l	0.95	3	125	5		8260	cps	3/20/2000
1,3-Dichloropropane	< 1.1	ug/l	1.1	3.3	ns	5		8260	cps	3/20/2000
1,4-Dichlorobenzene	< 0.75	ug/l	0.75	2.4	15	5		8260	cps	3/20/2000
12Dibromo-3-chloropropan	< 3	ug/l	3	9.4	0.02	5		8260	cps	3/20/2000
2,2-Dichloropropane	< 2	ug/l	2	6.4	ns	5		8260	cps	3/20/2000
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	90	5		8260	cps	3/20/2000
2-Chloroethyl Vinyl Ether	< 1.5	ug/l	1.5	4.6	ns	5		8260	cps	3/20/2000
2-Chlorotoluene	< 0.75	ug/l	0.75	2.4	ns	5		8260	cps	3/20/2000
4-Chlorotoluene	< 1.3	ug/l	1.3	4	ns	5		8260	cps	3/20/2000
4-Methyl-2-Pentanone	< 4.2	ug/l	4.2	13	50	5		8260	cps	3/20/2000
Acetone	< 7.8	ug/l	7.8	25	200	5		8260	cps	3/20/2000
Benzene	< 0.95	ug/l	0.95	3	0.5	5		8260	cps	3/20/2000
Bromobenzene	< 0.95	ug/l	0.95	3	ns	5		8260	cps	3/20/2000
Bromochloromethane	< 1.7	ug/l	1.7	5.4	ns	5		8260	cps	3/20/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromodichloromethane	< 1.3	ug/l	1.3	4.1	0.06	5		8260	cps	3/20/2000
Bromoform	< 2.4	ug/l	2.4	7.5	0.44	5		8260	cps	3/20/2000
Bromomethane	< 1.1	ug/l	1.1	3.3	1	5		8260	cps	3/20/2000
Carbon tetrachloride	< 1.1	ug/l	1.1	3.5	0.5	5		8260	cps	3/20/2000
Chlorobenzene	< 1	ug/l	1	3.2	20	5		8260	cps	3/20/2000
Chloroethane	< 5.8	ug/l	5.8	18	80	5		8260	cps	3/20/2000
Chloroform	< 1.4	ug/l	1.4	4.3	0.6	5		8260	cps	3/20/2000
Chloromethane	< 3.9	ug/l	3.9	12	0.3	5		8260	cps	3/20/2000
cis-1,2-Dichloroethene	280	ug/l	1	3.2	7	5		8260	cps	3/20/2000
cis-1,3-Dichloropropene	< 1.2	ug/l	1.2	3.8	0.02	5		8260	cps	3/20/2000
Dibromochloromethane	< 1.1	ug/l	1.1	3.3	6	5		8260	cps	3/20/2000
Dibromomethane	< 1.8	ug/l	1.8	5.6	ns	5		8260	cps	3/20/2000
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.7	200	5		8260	cps	3/20/2000
Ethylbenzene	< 0.8	ug/l	0.8	2.5	140	5		8260	cps	3/20/2000
Hexachlorobutadiene	< 1.1	ug/l	1.1	3.5	ns	5		8260	cps	3/20/2000
Isopropyl Ether	< 1.6	ug/l	1.6	5.1	ns	5		8260	cps	3/20/2000
Isopropylbenzene	< 0.8	ug/l	0.8	2.5	ns	5		8260	cps	3/20/2000
m&p-xylene	< 1.8	ug/l	1.8	5.7	124	5		8260	cps	3/20/2000
Methyl-t-butyl ether	< 1.1	ug/l	1.1	3.3	12	5		8260	cps	3/20/2000
Methylene chloride	< 3.8	ug/l	3.8	12	0.5	5		8260	cps	3/20/2000
n-Butylbenzene	< 1.2	ug/l	1.2	3.7	ns	5		8260	cps	3/20/2000
n-Propylbenzene	< 1.3	ug/l	1.3	4	ns	5		8260	cps	3/20/2000
Naphthalene	< 2.3	ug/l	2.3	7.3	8	5		8260	cps	3/20/2000
o-xylene	< 0.9	ug/l	0.9	2.9	124	5		8260	cps	3/20/2000
p-Isopropyltoluene	< 0.9	ug/l	0.9	2.9	ns	5		8260	cps	3/20/2000
sec-Butylbenzene	< 1.5	ug/l	1.5	4.8	ns	5		8260	cps	3/20/2000
Styrene	< 1.1	ug/l	1.1	3.3	10	5		8260	cps	3/20/2000
tert-Butylbenzene	< 1	ug/l	1	3.2	ns	5		8260	cps	3/20/2000
Tetrachloroethene	< 1.5	ug/l	1.5	4.6	0.5	5		8260	cps	3/20/2000
Toluene	< 1.7	ug/l	1.7	5.2	68.6	5		8260	cps	3/20/2000
trans-1,2-Dichloroethene	4.4	ug/l	0.8	2.5	20	5		8260	cps	3/20/2000
trans-1,3-Dichloropropene	< 1	ug/l	1	3.2	0.02	5		8260	cps	3/20/2000
Trichloroethene	< 0.8	ug/l	0.8	2.5	0.5	5		8260	cps	3/20/2000
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.4	ns	5		8260	cps	3/20/2000
Vinyl chloride	90	ug/l	1.1	3.3	0.02	5		8260	cps	3/20/2000

Sample Number: **18879** QC Prep Batch Number: 993677 *Sample analyzed within 8 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 3/9/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/17/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/17/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/17/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/17/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	3/17/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/17/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/17/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/17/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/17/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	3/17/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/17/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/17/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	3/17/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/17/2000
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/17/2000
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/17/2000
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	3/17/2000
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/17/2000
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	3/17/2000
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/17/2000
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/17/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	3/17/2000
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/17/2000
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/17/2000
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/17/2000
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	3/17/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	3/17/2000
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/17/2000
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/17/2000
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/17/2000
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/17/2000
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/17/2000
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	3/17/2000
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/17/2000
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	3/17/2000
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	3/17/2000
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/17/2000
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/17/2000
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	3/17/2000
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/17/2000
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	3/17/2000
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/17/2000
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	3/17/2000
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	3/17/2000
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/17/2000
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	3/17/2000
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/17/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000168**
DATE REPORTED: 21-Mar-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monitoring Wells
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
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	3/17/2000
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	3/17/2000
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/17/2000
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/17/2000
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/17/2000
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	3/17/2000
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	3/17/2000
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/17/2000
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/17/2000
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	3/17/2000
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/17/2000
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/17/2000
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	3/17/2000
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	3/17/2000
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/17/2000
Trichloroethene	<0.16	ug/l	0.16	0.51	0.5	1		8260	cps	3/17/2000
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/17/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/17/2000

Approved By: _____ **Date:** 3/21/00

James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000168
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Monitoring Well
PROJECT NAME:

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

Nova Sample Number: 18871
Client ID: **000308MW5DP**
Collection: 3/8/2000 Time: 10:45
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	22	ug/l		RJ	5.6	18	206.2	rf	3/15/2000	993650	
Barium - ICAP	0.08	mg/l		RJ	0.007	0.02	200.7	rf	3/13/2000	993627	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	3/14/2000	993644	
Chromium, Total - ICAP	0.03	mg/l		RJ	0.008	0.03	200.7	rf	3/13/2000	993627	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Iron - ICAP	4.1	mg/l		RJ	0.081	0.26	200.7	rf	3/13/2000	993627	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	3/14/2000	993640	
Manganese - ICAP	0.01	mg/l	J	RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	rf	3/13/2000	993627	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	rf	3/16/2000	993652	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	rf	3/13/2000	993627	
Thallium - Furnace AA	<1.7	ug/l		RJ	1.7	5.4	279.2	rf	3/15/2000	993646	
Zinc - ICAP	0.03	mg/l	J	RJ	0.014	0.04	200.7	rf	3/13/2000	993627	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	3/9/2000	993648	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	dmd	3/14/2000	993637	
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	dmd	3/14/2000	993636	
pH (water)	7.6	s.u.	#				150.1	ag		993647	

Nova Sample Number: 18872
Client ID: **000308MW02DP**
Collection: 3/8/2000 Time: 11:30
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	7.9	ug/l	J	RJ	5.6	18	206.2	rf	3/15/2000	993650	
Barium - ICAP	0.07	mg/l		RJ	0.007	0.02	200.7	rf	3/13/2000	993628	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	3/14/2000	993644	
Chromium, Total - ICAP	0.008	mg/l	J	RJ	0.008	0.03	200.7	rf	3/13/2000	993628	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	rf	3/13/2000	993628	
Iron - ICAP	1.8	mg/l		RJ	0.081	0.26	200.7	rf	3/13/2000	993628	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	3/14/2000	993640	
Manganese - ICAP	0.05	mg/l		RJ	0.006	0.02	200.7	rf	3/13/2000	993628	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	rf	3/13/2000	993628	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	rf	3/16/2000	993652	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000168**
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Monitoring Well
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	rf	3/13/2000	993628	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	rf	3/15/2000	993646	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	rf	3/13/2000	993628	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	3/9/2000	993648	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	3/14/2000	993637	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	3/14/2000	993636	
pH (water)	7.5	s.u.	#			150.1	ag		993647	

Nova Sample Number: 18873
Client ID: **000308MW14DP**
Collection: 3/8/2000 Time: 13:15
Sample Description:

Arsenic - Furnace AA	8.5	ug/l	J RJ	5.6	18	206.2	rf	3/15/2000	993650	
Barium - ICAP	0.04	mg/l	RJ	0.007	0.02	200.7	rf	3/13/2000	993628	
Cadmium - Furnace AA	0.92	ug/l	J RJ	0.7	2.2	213.2	rf	3/14/2000	993644	
Cadmium-Total Recoverable	<0.7	ug/l	TR	0.7	2.2	7131	rf	3/15/2000	993645	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	rf	3/13/2000	993628	
Copper- ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	rf	3/13/2000	993628	
Iron - ICAP	0.76	mg/l	RJ	0.081	0.26	200.7	rf	3/13/2000	993628	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	rf	3/14/2000	993640	
Manganese - ICAP	0.07	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	993628	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	rf	3/13/2000	993628	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	993652	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	rf	3/13/2000	993628	
Thallium - Furnace AA	2.3	ug/l	J RJ	1.7	5.4	279.2	rf	3/15/2000	993646	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	rf	3/13/2000	993628	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	3/9/2000	993648	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	3/14/2000	993637	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	3/14/2000	993636	
pH (water)	7.8	s.u.	#			150.1	ag		993647	

Nova Sample Number: 18874
Client ID: **000308MW15DP**
Collection: 3/8/2000 Time: 14:30
Sample Description:

Arsenic - Furnace AA	9.1	ug/l	J RJ	5.6	18	206.2	rf	3/15/2000	993650	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	rf	3/13/2000	993628	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000168**
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Monitoring Well
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	3/14/2000	*993644*	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	rf	3/13/2000	*993628*	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	
Iron - ICAP	0.28	mg/l	RJ	0.081	0.26	200.7	rf	3/13/2000	*993628*	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	rf	3/14/2000	*993640*	
Manganese - ICAP	0.2	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	*993659*	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	rf	3/13/2000	*993628*	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	*993652*	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	rf	3/13/2000	*993628*	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	0.03	mg/l	*J* RJ	0.014	0.04	200.7	rf	3/13/2000	*993628*	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	3/9/2000	*993648*	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	3/14/2000	*993637*	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	3/14/2000	*993636*	
pH (water)	7.9	s.u.	#			150.1	ag		*993647*	

Nova Sample Number: 18875
Client ID: **000308MW12BP**

Collection: 3/9/2000 Time: 11:00
Sample Description:

Arsenic - Furnace AA	6.2	ug/l	*J* RJ	5.6	18	206.2	rf	3/15/2000	*993650*	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	rf	3/13/2000	*993628*	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	3/14/2000	*993644*	
Chromium, Total - ICAP	0.05	mg/l	RJ	0.008	0.03	200.7	rf	3/13/2000	*993628*	
Copper- ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	
Iron - ICAP	9.3	mg/l	RJ	0.081	0.26	200.7	rf	3/13/2000	*993628*	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	rf	3/14/2000	*993640*	
Manganese - ICAP	0.18	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	*993659*	
Nickel - ICAP	0.02	mg/l	*J* RJ	0.011	0.03	200.7	rf	3/13/2000	*993628*	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	*993652*	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	rf	3/13/2000	*993628*	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	0.03	mg/l	*J* RJ	0.014	0.04	200.7	rf	3/13/2000	*993628*	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	3/10/2000	*993648*	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	3/14/2000	*993637*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000168
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 10-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Monitoring Well
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
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	3/14/2000	*993636*	
pH (water)	**7.8**	**s.u.**	#			150.1	ag		*993647*	

Nova Sample Number: 18876
Client ID: **000308MW12DP**
Collection: 3/9/2000 Time: 11:30
Sample Description:

Arsenic - Furnace AA	**7.9**	**ug/l**	*J* RJ	5.6	18	206.2	rf	3/15/2000	*993650*	
Barium - ICAP	**0.07**	**mg/l**	RJ	0.007	0.02	200.7	rf	3/13/2000	*993628*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	TTR	0.7	2.2	213.2	rf	3/14/2000	*993644*	
Chromium, Total - ICAP	**0.02**	**mg/l**	*J* RJ	0.008	0.03	200.7	rf	3/13/2000	*993628*	
Copper- ICAP	**1.5**	**mg/l**	RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	
Iron - ICAP	**3.9**	**mg/l**	RJ	0.081	0.26	200.7	rf	3/13/2000	*993628*	
Lead - Furnace AA	**<1.5**	**ug/l**	RJ	1.5	4.8	239.2	rf	3/14/2000	*993640*	
Manganese - ICAP	**0.07**	**mg/l**	RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	
Mercury CV	**<0.0002**	**mg/l**	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	*993659*	
Nickel - ICAP	**0.04**	**mg/l**	RJ	0.011	0.03	200.7	rf	3/13/2000	*993628*	
Selenium - Furnace AA	**<4.8**	**ug/l**	RJ	4.8	15	270.2	rf	3/16/2000	*993652*	
Silver - ICAP	**<0.004**	**mg/l**	RJ	0.004	0.01	200.7	rf	3/13/2000	*993628*	
Thallium - Furnace AA	**2.1**	**ug/l**	*J* RJ	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	**<0.014**	**mg/l**	RJ	0.014	0.04	200.7	rf	3/13/2000	*993628*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	3/10/2000	*993648*	
Cyanide, Amenable	**<0.006**	**mg/l**	RJ	0.006	0.02	335.2	dmd	3/17/2000	*993674*	
Cyanide, Total	**0.01**	**mg/l**	*J*	0.006	0.02	335.2	dmd	3/14/2000	*993636*	
pH (water)	**7.8**	**s.u.**	#			150.1	ag		*993647*	

Nova Sample Number: 18877
Client ID: **000308MW13SP**
Collection: 3/9/2000 Time: 10:30
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	RJ	5.6	18	206.2	rf	3/15/2000	*993650*	
Barium - ICAP	**0.06**	**mg/l**	RJ	0.007	0.02	200.7	rf	3/13/2000	*993628*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	TTR	0.7	2.2	213.2	rf	3/14/2000	*993644*	
Chromium, Total - ICAP	**0.87**	**mg/l**	RJ	0.008	0.03	200.7	rf	3/13/2000	*993628*	
Copper- ICAP	**0.07**	**mg/l**	RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	
Iron - ICAP	**28**	**mg/l**	RJ	0.081	0.26	200.7	rf	3/13/2000	*993628*	
Lead - Furnace AA	**5.2**	**ug/l**	RJ	1.5	4.8	239.2	rf	3/14/2000	*993640*	
Manganese - ICAP	**0.32**	**mg/l**	RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000168**
DATE REPORTED:	03-Apr-00
DATE RECEIVED:	10-Mar-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Monitoring Well
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
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	3/16/2000	*993659*	
Nickel - ICAP	0.12	mg/l		RJ	0.011	0.03	200.7	rf	3/13/2000	*993628*	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	rf	3/16/2000	*993652*	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	rf	3/13/2000	*993628*	
Thallium - Furnace AA	<1.7	ug/l		RJ	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	0.07	mg/l		RJ	0.014	0.04	200.7	rf	3/13/2000	*993628*	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	3/10/2000	*993648*	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	dmd	3/14/2000	*993637*	
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	dmd	3/14/2000	*993636*	
pH (water)	8.5	s.u.	#				150.1	ag		*993647*	

Nova Sample Number: 18878
Client ID: **000308MW16SP**

Collection: 3/9/2000 Time: 12:00
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	rf	3/15/2000	*993650*	
Barium - ICAP	0.05	mg/l		RJ	0.007	0.02	200.7	rf	3/13/2000	*993628*	
Cadmium - Furnace AA	2.2	ug/l	*J*	RJ	0.7	2.2	213.2	rf	3/14/2000	*993644*	
Cadmium-Total Recoverable	1.9	ug/l	*J*	TR	0.7	2.2	7131	rf	3/15/2000	*993645*	
Chromium, Total - ICAP	0.08	mg/l		RJ	0.008	0.03	200.7	rf	3/13/2000	*993628*	
Copper- ICAP	0.02	mg/l		RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	
Iron - ICAP	42	mg/l		RJ	0.081	0.26	200.7	rf	3/13/2000	*993628*	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	3/14/2000	*993640*	
Manganese - ICAP	0.63	mg/l		RJ	0.006	0.02	200.7	rf	3/13/2000	*993628*	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	3/16/2000	*993659*	
Nickel - ICAP	0.07	mg/l		RJ	0.011	0.03	200.7	rf	3/13/2000	*993628*	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	rf	3/16/2000	*993652*	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	rf	3/13/2000	*993628*	
Thallium - Furnace AA	<1.7	ug/l		RJ	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	0.11	mg/l		RJ	0.014	0.04	200.7	rf	3/13/2000	*993628*	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	3/10/2000	*993648*	
Cyanide, Amenable	<0.006	mg/l		RJ	0.006	0.02	335.2	dmd	3/17/2000	*993674*	
Cyanide, Total	0.009	mg/l	*J*		0.006	0.02	335.2	dmd	3/14/2000	*993636*	
pH (water)	8.8	s.u.	#				150.1	ag		*993647*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000168**
DATE REPORTED:	03-Apr-00
DATE RECEIVED:	10-Mar-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Monitoring Well
PROJECT NAME:	

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

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

Approved By: _____ **Date:** 3/31/00
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: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Sample Number: **18787** QC Prep Batch Number: 993598 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000307WW1** Sample Description: *Collection: 3/7/2000 Time: 15:10*

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	cps	3/8/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/8/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/8/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/8/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	3/8/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/8/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/8/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/8/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/8/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/8/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/8/2000
1,2-Dichloroethane	0.55	ug/l	0.19	0.6	0.5	1	J	8260	cps	3/8/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/8/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/8/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/8/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/8/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/8/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/8/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/8/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/8/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/8/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/8/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/8/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/8/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/8/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/8/2000
Chlorobenzene	0.37	ug/l	0.2	0.64	20	1	J	8260	cps	3/8/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/8/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/8/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/8/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/8/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/8/2000

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

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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	cps	3/8/2000
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/8/2000
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	3/8/2000
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	3/8/2000
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	3/8/2000
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/8/2000
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	3/8/2000
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	3/8/2000
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/8/2000
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	3/8/2000
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	3/8/2000
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/8/2000
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/8/2000
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	3/8/2000
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/8/2000
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/8/2000
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	3/8/2000
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	3/8/2000
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/8/2000
Trichloroethene	<0.16	ug/l	0.16	0.51	0.5	1		8260	cps	3/8/2000
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/8/2000

Sample Number: **18788** QC Prep Batch Number: 993598 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000307EW-01** Sample Description: *Collection: 3/7/2000 Time: 15:20*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1	8260	cps	3/8/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1	8260	cps	3/8/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1	8260	cps	3/8/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1	8260	cps	3/8/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1	8260	cps	3/8/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1	8260	cps	3/8/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1	8260	cps	3/8/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1	8260	cps	3/8/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1	8260	cps	3/8/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1	8260	cps	3/8/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1	8260	cps	3/8/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1	8260	cps	3/8/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1	8260	cps	3/8/2000
1,2-Dichloroethane	0.65	ug/l	0.19	0.6	0.5	1	8260	cps	3/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/8/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/8/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/8/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/8/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/8/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/8/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/8/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/8/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/8/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/8/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/8/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/8/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/8/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/8/2000
Chlorobenzene	0.4	ug/l	0.2	0.64	20	1	J	8260	cps	3/8/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/8/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/8/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/8/2000
cis-1,2-Dichloroethene	0.68	ug/l	0.2	0.64	7	1		8260	cps	3/8/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/8/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/8/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/8/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/8/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/8/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/8/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/8/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/8/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/8/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/8/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/8/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/8/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/8/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/8/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/8/2000
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/8/2000
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	3/8/2000
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	3/8/2000
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/8/2000
Trichloroethene	6	ug/l	0.16	0.51	0.5	1		8260	cps	3/8/2000
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/8/2000

Sample Number: **18789** QC Prep Batch Number: 993598 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000307EW-02** Sample Description: *Collection: 3/7/2000 Time: 15:30*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/8/2000
1,1,1-Trichloroethane	0.34	ug/l	0.23	0.73	40	1	J	8260	cps	3/8/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/8/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/8/2000
1,1-Dichloroethane	1.8	ug/l	0.15	0.48	85	1		8260	cps	3/8/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/8/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/8/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/8/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	3/8/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/8/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	3/8/2000
1,2-Dichloroethane	0.65	ug/l	0.19	0.6	0.5	1		8260	cps	3/8/2000
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/8/2000
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	3/8/2000
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/8/2000
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	3/8/2000
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/8/2000
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/8/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	3/8/2000
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/8/2000
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	3/8/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	3/8/2000
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/8/2000
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/8/2000
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/8/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/8/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/8/2000
Chlorobenzene	0.36	ug/l	0.2	0.64	20	1	J	8260	cps	3/8/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/8/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/8/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/8/2000
cis-1,2-Dichloroethene	8.5	ug/l	0.2	0.64	7	1		8260	cps	3/8/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/8/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/8/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/8/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/8/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/8/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/8/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/8/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/8/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/8/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/8/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/8/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/8/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/8/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/8/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/8/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/8/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/8/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/8/2000
trans-1,2-Dichloroethene	3.1	ug/l	0.16	0.51	20	1		8260	cps	3/8/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/8/2000
Trichloroethene	11	ug/l	0.16	0.51	0.5	1		8260	cps	3/8/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/8/2000

Sample Number: **18790** QC Prep Batch Number: 993598 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000307EW-03** Sample Description: *Collection: 3/7/2000 Time: 15:40*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/8/2000
1,1,1-Trichloroethane	3.9	ug/l	0.23	0.73	40	1		8260	cps	3/8/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/8/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/8/2000
1,1-Dichloroethane	7.8	ug/l	0.15	0.48	85	1		8260	cps	3/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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	2.1	ug/l	0.36	1.1	0.7	1		8260	cps	3/8/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/8/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/8/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/8/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/8/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/8/2000
1,2-Dichloroethane	0.53	ug/l	0.19	0.6	0.5	1	J	8260	cps	3/8/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/8/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/8/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/8/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/8/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/8/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/8/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/8/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/8/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/8/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/8/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/8/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/8/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/8/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/8/2000
Chlorobenzene	0.26	ug/l	0.2	0.64	20	1	J	8260	cps	3/8/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/8/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/8/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/8/2000
cis-1,2-Dichloroethene	14	ug/l	0.2	0.64	7	1		8260	cps	3/8/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/8/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/8/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/8/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/8/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/8/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/8/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/8/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/8/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	3/8/2000
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/8/2000
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	3/8/2000
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	3/8/2000
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/8/2000
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/8/2000
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	3/8/2000
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/8/2000
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/8/2000
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	3/8/2000
trans-1,2-Dichloroethene	1.1	ug/l	0.16	0.51	20	1		8260	cps	3/8/2000
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/8/2000
Trichloroethene	64	ug/l	0.16	0.51	0.5	1		8260	cps	3/8/2000
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000
Vinyl chloride	0.26	ug/l	0.21	0.67	0.02	1	J	8260	cps	3/8/2000

Sample Number: **18791** QC Prep Batch Number: 993677 *Sample analyzed within 10 Day(s) from collection.*
Client ID: **000307EW-04** Sample Description: *Collection: 3/7/2000 Time: 15:50*

1,1,1,2-Tetrachloroethane	<0.4	ug/l	0.4	1.3	ns	2		8260	cps	3/17/2000
1,1,1-Trichloroethane	107	ug/l	0.46	1.5	40	2		8260	cps	3/17/2000
1,1,2,2-Tetrachloroethane	<0.58	ug/l	0.58	1.8	0.02	2		8260	cps	3/17/2000
1,1,2-Trichloroethane	<0.58	ug/l	0.58	1.8	0.5	2		8260	cps	3/17/2000
1,1-Dichloroethane	11	ug/l	0.3	0.95	85	2		8260	cps	3/17/2000
1,1-Dichloroethene	11	ug/l	0.72	2.3	0.7	2		8260	cps	3/17/2000
1,1-Dichloropropene	<0.98	ug/l	0.98	3.1	ns	2		8260	cps	3/17/2000
1,2,3-Trichlorobenzene	<0.44	ug/l	0.44	1.4	ns	2		8260	cps	3/17/2000
1,2,3-Trichloropropane	<1.2	ug/l	1.2	3.8	ns	2		8260	cps	3/17/2000
1,2,4-Trichlorobenzene	<0.32	ug/l	0.32	1	14	2		8260	cps	3/17/2000
1,2,4-Trimethylbenzene	<0.58	ug/l	0.58	1.8	ns	2		8260	cps	3/17/2000
1,2-Dibromoethane	<0.48	ug/l	0.48	1.5	0.005	2		8260	cps	3/17/2000
1,2-Dichlorobenzene	<0.4	ug/l	0.4	1.3	60	2		8260	cps	3/17/2000
1,2-Dichloroethane	1.2	ug/l	0.38	1.2	0.5	2	J	8260	cps	3/17/2000
1,2-Dichloropropane	<0.46	ug/l	0.46	1.5	0.5	2		8260	cps	3/17/2000
1,3,5-Trimethylbenzene	<0.46	ug/l	0.46	1.5	ns	2		8260	cps	3/17/2000
1,3-Dichlorobenzene	<0.38	ug/l	0.38	1.2	125	2		8260	cps	3/17/2000
1,3-Dichloropropane	<0.42	ug/l	0.42	1.3	ns	2		8260	cps	3/17/2000
1,4-Dichlorobenzene	<0.3	ug/l	0.3	0.95	15	2		8260	cps	3/17/2000
12Dibromo-3-chloropropan	<1.2	ug/l	1.2	3.8	0.02	2		8260	cps	3/17/2000
2,2-Dichloropropane	<0.8	ug/l	0.8	2.5	ns	2		8260	cps	3/17/2000
2-Butanone (MEK)	<2.8	ug/l	2.8	8.8	90	2		8260	cps	3/17/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.58	ug/l	0.58	1.8	ns	2		8260	cps	3/17/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	2		8260	cps	3/17/2000
4-Chlorotoluene	< 0.5	ug/l	0.5	1.6	ns	2		8260	cps	3/17/2000
4-Methyl-2-Pentanone	< 1.7	ug/l	1.7	5.3	50	2		8260	cps	3/17/2000
Acetone	< 3.1	ug/l	3.1	9.9	200	2		8260	cps	3/17/2000
Benzene	< 0.38	ug/l	0.38	1.2	0.5	2		8260	cps	3/17/2000
Bromobenzene	< 0.38	ug/l	0.38	1.2	ns	2		8260	cps	3/17/2000
Bromochloromethane	< 0.68	ug/l	0.68	2.2	ns	2		8260	cps	3/17/2000
Bromodichloromethane	< 0.52	ug/l	0.52	1.7	0.06	2		8260	cps	3/17/2000
Bromoform	< 0.94	ug/l	0.94	3	0.44	2		8260	cps	3/17/2000
Bromomethane	< 0.42	ug/l	0.42	1.3	1	2		8260	cps	3/17/2000
Carbon tetrachloride	< 0.44	ug/l	0.44	1.4	0.5	2		8260	cps	3/17/2000
Chlorobenzene	0.8	ug/l	0.4	1.3	20	2	J	8260	cps	3/17/2000
Chloroethane	8.4	ug/l	2.3	7.4	80	2		8260	cps	3/17/2000
Chloroform	< 0.54	ug/l	0.54	1.7	0.6	2		8260	cps	3/17/2000
Chloromethane	< 1.5	ug/l	1.5	4.9	0.3	2		8260	cps	3/17/2000
cis-1,2-Dichloroethene	24	ug/l	0.4	1.3	7	2		8260	cps	3/17/2000
cis-1,3-Dichloropropene	< 0.48	ug/l	0.48	1.5	0.02	2		8260	cps	3/17/2000
Dibromochloromethane	< 0.42	ug/l	0.42	1.3	6	2		8260	cps	3/17/2000
Dibromomethane	< 0.7	ug/l	0.7	2.2	ns	2		8260	cps	3/17/2000
Dichlorodifluoromethane	< 0.72	ug/l	0.72	2.3	200	2		8260	cps	3/17/2000
Ethylbenzene	< 0.32	ug/l	0.32	1	140	2		8260	cps	3/17/2000
Hexachlorobutadiene	< 0.44	ug/l	0.44	1.4	ns	2		8260	cps	3/17/2000
Isopropyl Ether	< 0.64	ug/l	0.64	2	ns	2		8260	cps	3/17/2000
Isopropylbenzene	< 0.32	ug/l	0.32	1	ns	2		8260	cps	3/17/2000
m&p-xylene	< 0.72	ug/l	0.72	2.3	124	2		8260	cps	3/17/2000
Methyl-t-butyl ether	< 0.42	ug/l	0.42	1.3	12	2		8260	cps	3/17/2000
Methylene chloride	< 1.5	ug/l	1.5	4.8	0.5	2		8260	cps	3/17/2000
n-Butylbenzene	< 0.46	ug/l	0.46	1.5	ns	2		8260	cps	3/17/2000
n-Propylbenzene	< 0.5	ug/l	0.5	1.6	ns	2		8260	cps	3/17/2000
Naphthalene	< 0.92	ug/l	0.92	2.9	8	2		8260	cps	3/17/2000
o-xylene	< 0.36	ug/l	0.36	1.1	124	2		8260	cps	3/17/2000
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	ns	2		8260	cps	3/17/2000
sec-Butylbenzene	< 0.6	ug/l	0.6	1.9	ns	2		8260	cps	3/17/2000
Styrene	< 0.42	ug/l	0.42	1.3	10	2		8260	cps	3/17/2000
tert-Butylbenzene	< 0.4	ug/l	0.4	1.3	ns	2		8260	cps	3/17/2000
Tetrachloroethene	3.9	ug/l	0.58	1.8	0.5	2		8260	cps	3/17/2000
Toluene	< 0.66	ug/l	0.66	2.1	68.6	2		8260	cps	3/17/2000
trans-1,2-Dichloroethene	10	ug/l	0.32	1	20	2		8260	cps	3/17/2000
trans-1,3-Dichloropropene	< 0.4	ug/l	0.4	1.3	0.02	2		8260	cps	3/17/2000
Trichloroethene	260	ug/l	0.32	1	0.5	2		8260	cps	3/17/2000
Trichlorofluoromethane	< 0.68	ug/l	0.68	2.2	ns	2		8260	cps	3/17/2000
Vinyl chloride	0.5	ug/l	0.42	1.3	0.02	2	J	8260	cps	3/17/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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: **18792**	QC Prep Batch Number: 993598	*Sample analyzed within*	*1 Day(s) from collection.*							
Client ID: **000307EW05**	Sample Description:							*Collection: 3/7/2000*	*Time: 16:00*	
1,1,1,2-Tetrachloroethane	< 4	**ug/l**	4	13	ns	20		8260	cps	3/8/2000
1,1,1-Trichloroethane	211	**ug/l**	4.6	15	40	20		8260	cps	3/8/2000
1,1,2,2-Tetrachloroethane	< 5.8	**ug/l**	5.8	18	0.02	20		8260	cps	3/8/2000
1,1,2-Trichloroethane	< 5.8	**ug/l**	5.8	18	0.5	20		8260	cps	3/8/2000
1,1-Dichloroethane	111	**ug/l**	3	9.5	85	20		8260	cps	3/8/2000
1,1-Dichloroethene	15	**ug/l**	7.2	23	0.7	20	*J*	8260	cps	3/8/2000
1,1-Dichloropropene	< 9.8	**ug/l**	9.8	31	ns	20		8260	cps	3/8/2000
1,2,3-Trichlorobenzene	< 4.4	**ug/l**	4.4	14	ns	20		8260	cps	3/8/2000
1,2,3-Trichloropropane	< 12	**ug/l**	12	38	ns	20		8260	cps	3/8/2000
1,2,4-Trichlorobenzene	< 3.2	**ug/l**	3.2	10	14	20		8260	cps	3/8/2000
1,2,4-Trimethylbenzene	< 5.8	**ug/l**	5.8	18	ns	20		8260	cps	3/8/2000
1,2-Dibromoethane	< 4.8	**ug/l**	4.8	15	0.005	20		8260	cps	3/8/2000
1,2-Dichlorobenzene	< 4	**ug/l**	4	13	60	20		8260	cps	3/8/2000
1,2-Dichloroethane	< 3.8	**ug/l**	3.8	12	0.5	20		8260	cps	3/8/2000
1,2-Dichloropropane	< 4.6	**ug/l**	4.6	15	0.5	20		8260	cps	3/8/2000
1,3,5-Trimethylbenzene	< 4.6	**ug/l**	4.6	15	ns	20		8260	cps	3/8/2000
1,3-Dichlorobenzene	< 3.8	**ug/l**	3.8	12	125	20		8260	cps	3/8/2000
1,3-Dichloropropane	< 4.2	**ug/l**	4.2	13	ns	20		8260	cps	3/8/2000
1,4-Dichlorobenzene	< 3	**ug/l**	3	9.5	15	20		8260	cps	3/8/2000
12Dibromo-3-chloropropan	< 12	**ug/l**	12	38	0.02	20		8260	cps	3/8/2000
2,2-Dichloropropane	< 8	**ug/l**	8	25	ns	20		8260	cps	3/8/2000
2-Butanone (MEK)	< 28	**ug/l**	28	88	90	20		8260	cps	3/8/2000
2-Chloroethyl Vinyl Ether	< 5.8	**ug/l**	5.8	18	ns	20		8260	cps	3/8/2000
2-Chlorotoluene	< 3	**ug/l**	3	9.5	ns	20		8260	cps	3/8/2000
4-Chlorotoluene	< 5	**ug/l**	5	16	ns	20		8260	cps	3/8/2000
4-Methyl-2-Pentanone	< 17	**ug/l**	17	53	50	20		8260	cps	3/8/2000
Acetone	< 31	**ug/l**	31	99	200	20		8260	cps	3/8/2000
Benzene	< 3.8	**ug/l**	3.8	12	0.5	20		8260	cps	3/8/2000
Bromobenzene	< 3.8	**ug/l**	3.8	12	ns	20		8260	cps	3/8/2000
Bromochloromethane	< 6.8	**ug/l**	6.8	22	ns	20		8260	cps	3/8/2000
Bromodichloromethane	< 5.2	**ug/l**	5.2	17	0.06	20		8260	cps	3/8/2000
Bromoform	< 9.4	**ug/l**	9.4	30	0.44	20		8260	cps	3/8/2000
Bromomethane	< 4.2	**ug/l**	4.2	13	1	20		8260	cps	3/8/2000
Carbon tetrachloride	< 4.4	**ug/l**	4.4	14	0.5	20		8260	cps	3/8/2000
Chlorobenzene	5.6	**ug/l**	4	13	20	20	*J*	8260	cps	3/8/2000
Chloroethane	< 23	**ug/l**	23	74	80	20		8260	cps	3/8/2000
Chloroform	< 5.4	**ug/l**	5.4	17	0.6	20		8260	cps	3/8/2000
Chloromethane	< 15	**ug/l**	15	49	0.3	20		8260	cps	3/8/2000
cis-1,2-Dichloroethene	104	**ug/l**	4	13	7	20		8260	cps	3/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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	<4.8	ug/l	4.8	15	0.02	20		8260	cps	3/8/2000
Dibromochloromethane	<4.2	ug/l	4.2	13	6	20		8260	cps	3/8/2000
Dibromomethane	<7	ug/l	7	22	ns	20		8260	cps	3/8/2000
Dichlorodifluoromethane	<7.2	ug/l	7.2	23	200	20		8260	cps	3/8/2000
Ethylbenzene	<3.2	ug/l	3.2	10	140	20		8260	cps	3/8/2000
Hexachlorobutadiene	<4.4	ug/l	4.4	14	ns	20		8260	cps	3/8/2000
Isopropyl Ether	<6.4	ug/l	6.4	20	ns	20		8260	cps	3/8/2000
Isopropylbenzene	<3.2	ug/l	3.2	10	ns	20		8260	cps	3/8/2000
m&p-xylene	<7.2	ug/l	7.2	23	124	20		8260	cps	3/8/2000
Methyl-t-butyl ether	<4.2	ug/l	4.2	13	12	20		8260	cps	3/8/2000
Methylene chloride	<15	ug/l	15	48	0.5	20		8260	cps	3/8/2000
n-Butylbenzene	<4.6	ug/l	4.6	15	ns	20		8260	cps	3/8/2000
n-Propylbenzene	<5	ug/l	5	16	ns	20		8260	cps	3/8/2000
Naphthalene	<9.2	ug/l	9.2	29	8	20		8260	cps	3/8/2000
o-xylene	<3.6	ug/l	3.6	11	124	20		8260	cps	3/8/2000
p-Isopropyltoluene	<3.6	ug/l	3.6	11	ns	20		8260	cps	3/8/2000
sec-Butylbenzene	<6	ug/l	6	19	ns	20		8260	cps	3/8/2000
Styrene	<4.2	ug/l	4.2	13	10	20		8260	cps	3/8/2000
tert-Butylbenzene	<4	ug/l	4	13	ns	20		8260	cps	3/8/2000
Tetrachloroethene	<5.8	ug/l	5.8	18	0.5	20		8260	cps	3/8/2000
Toluene	<6.6	ug/l	6.6	21	68.6	20		8260	cps	3/8/2000
trans-1,2-Dichloroethene	8.4	ug/l	3.2	10	20	20	J	8260	cps	3/8/2000
trans-1,3-Dichloropropene	<4	ug/l	4	13	0.02	20		8260	cps	3/8/2000
Trichloroethene	785	ug/l	3.2	10	0.5	20		8260	cps	3/8/2000
Trichlorofluoromethane	<6.8	ug/l	6.8	22	ns	20		8260	cps	3/8/2000
Vinyl chloride	<4.2	ug/l	4.2	13	0.02	20		8260	cps	3/8/2000

Sample Number: **18793** QC Prep Batch Number: 993598 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000307WA01P** Sample Description: *Collection: 3/7/2000 Time: 14:00*

1,1,1,2-Tetrachloroethane	<2	ug/l	2	6.4	ns	10		8260	cps	3/8/2000
1,1,1-Trichloroethane	188	ug/l	2.3	7.3	40	10		8260	cps	3/8/2000
1,1,2,2-Tetrachloroethane	<2.9	ug/l	2.9	9.2	0.02	10		8260	cps	3/8/2000
1,1,2-Trichloroethane	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	3/8/2000
1,1-Dichloroethane	36	ug/l	1.5	4.8	85	10		8260	cps	3/8/2000
1,1-Dichloroethene	17	ug/l	3.6	11	0.7	10		8260	cps	3/8/2000
1,1-Dichloropropene	<4.9	ug/l	4.9	16	ns	10		8260	cps	3/8/2000
1,2,3-Trichlorobenzene	<2.2	ug/l	2.2	7	ns	10		8260	cps	3/8/2000
1,2,3-Trichloropropane	<6	ug/l	6	19	ns	10		8260	cps	3/8/2000
1,2,4-Trichlorobenzene	<1.6	ug/l	1.6	5.1	14	10		8260	cps	3/8/2000
1,2,4-Trimethylbenzene	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/8/2000
1,2-Dibromoethane	<2.4	ug/l	2.4	7.6	0.005	10		8260	cps	3/8/2000
1,2-Dichlorobenzene	<2	ug/l	2	6.4	60	10		8260	cps	3/8/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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	<1.9	ug/l	1.9	6	0.5	10		8260	cps	3/8/2000
1,2-Dichloropropane	<2.3	ug/l	2.3	7.3	0.5	10		8260	cps	3/8/2000
1,3,5-Trimethylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/8/2000
1,3-Dichlorobenzene	<1.9	ug/l	1.9	6	125	10		8260	cps	3/8/2000
1,3-Dichloropropane	<2.1	ug/l	2.1	6.7	ns	10		8260	cps	3/8/2000
1,4-Dichlorobenzene	<1.5	ug/l	1.5	4.8	15	10		8260	cps	3/8/2000
12Dibromo-3-chloropropan	<5.9	ug/l	5.9	19	0.02	10		8260	cps	3/8/2000
2,2-Dichloropropane	<4	ug/l	4	13	ns	10		8260	cps	3/8/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	3/8/2000
2-Chloroethyl Vinyl Ether	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/8/2000
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	ns	10		8260	cps	3/8/2000
4-Chlorotoluene	<2.5	ug/l	2.5	8	ns	10		8260	cps	3/8/2000
4-Methyl-2-Pentanone	<8.4	ug/l	8.4	27	50	10		8260	cps	3/8/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	3/8/2000
Benzene	<1.9	ug/l	1.9	6	0.5	10		8260	cps	3/8/2000
Bromobenzene	<1.9	ug/l	1.9	6	ns	10		8260	cps	3/8/2000
Bromochloromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	3/8/2000
Bromodichloromethane	<2.6	ug/l	2.6	8.3	0.06	10		8260	cps	3/8/2000
Bromoform	<4.7	ug/l	4.7	15	0.44	10		8260	cps	3/8/2000
Bromomethane	<2.1	ug/l	2.1	6.7	1	10		8260	cps	3/8/2000
Carbon tetrachloride	<2.2	ug/l	2.2	7	0.5	10		8260	cps	3/8/2000
Chlorobenzene	2.1	ug/l	2	6.4	20	10	J	8260	cps	3/8/2000
Chloroethane	<12	ug/l	12	37	80	10		8260	cps	3/8/2000
Chloroform	<2.7	ug/l	2.7	8.6	0.6	10		8260	cps	3/8/2000
Chloromethane	<7.7	ug/l	7.7	24	0.3	10		8260	cps	3/8/2000
cis-1,2-Dichloroethene	52	ug/l	2	6.4	7	10		8260	cps	3/8/2000
cis-1,3-Dichloropropene	<2.4	ug/l	2.4	7.6	0.02	10		8260	cps	3/8/2000
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	3/8/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	3/8/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	3/8/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	3/8/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	3/8/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	3/8/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	3/8/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	3/8/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	3/8/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	3/8/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/8/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	3/8/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	3/8/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	3/8/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	3/8/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	3/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	3/8/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	3/8/2000
Tetrachloroethene	6.1	ug/l	2.9	9.2	0.5	10	J	8260	cps	3/8/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	3/8/2000
trans-1,2-Dichloroethene	17	ug/l	1.6	5.1	20	10		8260	cps	3/8/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	3/8/2000
Trichloroethene	481	ug/l	1.6	5.1	0.5	10		8260	cps	3/8/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	3/8/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	3/8/2000

Sample Number: **18798** QC Prep Batch Number: 993598 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000307WA09P** Sample Description: *Collection: 3/7/2000 Time: 14:50*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/8/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	3/8/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/8/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/8/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	3/8/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/8/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/8/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/8/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	3/8/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/8/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	3/8/2000
1,2-Dichloroethane	0.58	ug/l	0.19	0.6	0.5	1	J	8260	cps	3/8/2000
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/8/2000
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	3/8/2000
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/8/2000
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	3/8/2000
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/8/2000
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/8/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	3/8/2000
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/8/2000
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	3/8/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	3/8/2000
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/8/2000
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/8/2000
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Sample Number: **18799** QC Prep Batch Number: 993598 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000307WA07P** Sample Description: *Collection: 3/7/2000 Time: 14:40*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1	8260	cps	3/8/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1	8260	cps	3/8/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1	8260	cps	3/8/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1	8260	cps	3/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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	cps	3/8/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/8/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/8/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/8/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/8/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/8/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/8/2000
1,2-Dichloroethane	0.47	ug/l	0.19	0.6	0.5	1	J	8260	cps	3/8/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/8/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/8/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/8/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/8/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/8/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/8/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/8/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/8/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/8/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/8/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/8/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/8/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/8/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/8/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/8/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/8/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/8/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/8/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/8/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/8/2000
Chlorobenzene	0.2	ug/l	0.2	0.64	20	1		8260	cps	3/8/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/8/2000
Chloroform	0.58	ug/l	0.27	0.86	0.6	1	J	8260	cps	3/8/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/8/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/8/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/8/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/8/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/8/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/8/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/8/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/8/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/8/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/8/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000150**
DATE REPORTED: 20-Mar-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Approved By: _____ **Date:** 3/31/00
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000150
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Nova Sample Number: 18787
Client ID: **000307WW1**
Collection: 3/7/2000 Time: 15:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	6.7	ug/l	J RJ	5.6	18	206.2	rf	3/15/2000	993650	
Barium - ICAP	0.34	mg/l	RJ	0.007	0.02	200.7	rf	3/13/2000	993627	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	3/14/2000	993644	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	rf	3/13/2000	993627	
Copper- ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Iron - ICAP	0.45	mg/l	RJ	0.081	0.26	200.7	rf	3/13/2000	993627	
Lead - Furnace AA	2.3	ug/l	J RJ	1.5	4.8	239.2	rf	3/14/2000	993640	
Manganese - ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	rf	3/13/2000	993627	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	993652	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	rf	3/13/2000	993627	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	rf	3/15/2000	993646	
Zinc - ICAP	0.05	mg/l	RJ	0.014	0.04	200.7	rf	3/13/2000	993627	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	3/8/2000	993653	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	3/14/2000	993637	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	3/14/2000	993636	
pH (water)	7.6	s.u.	#			150.1	ag	3/7/00	993593	

Nova Sample Number: 18788
Client ID: **000307EW-01**
Collection: 3/7/2000 Time: 15:20
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	rf	3/15/2000	993650	
Barium - ICAP	0.08	mg/l	RJ	0.007	0.02	200.7	rf	3/13/2000	993627	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	3/14/2000	993644	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	rf	3/13/2000	993627	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Iron - ICAP	0.43	mg/l	RJ	0.081	0.26	200.7	rf	3/13/2000	993627	
Lead - Furnace AA	4.5	ug/l	J RJ	1.5	4.8	239.2	rf	3/14/2000	993640	
Manganese - ICAP	0.26	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	rf	3/13/2000	993627	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	993652	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000150**
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	rf	3/13/2000	*993627*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	rf	3/13/2000	*993627*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	3/8/2000	*993653*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	dmd	3/17/2000	*993674*	
Cyanide, Total	**0.01**	**mg/l**	***J***	0.006	0.02	335.2	dmd	3/14/2000	*993636*	
pH (water)	**7.4**	**s.u.**	**#**			150.1	ag	3/7/00	*993593*	

Nova Sample Number: 18789
Client ID: **000307EW-02**
Collection: 3/7/2000 Time: 15:30
Sample Description:

Arsenic - Furnace AA	**13**	**ug/l**	***J* RJ**	5.6	18	206.2	rf	3/15/2000	*993650*	
Barium - ICAP	**0.08**	**mg/l**	**RJ**	0.007	0.02	200.7	rf	3/13/2000	*993627*	
Cadmium - Furnace AA	**0.87**	**ug/l**	***J* RJ**	0.7	2.2	213.2	rf	3/14/2000	*993644*	
Cadmium-Total Recoverable	**<0.7**	**ug/l**	**TR**	0.7	2.2	7131	rf	3/15/2000	*993645*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	rf	3/13/2000	*993627*	
Copper- ICAP	**0.06**	**mg/l**	**RJ**	0.006	0.02	200.7	rf	3/13/2000	*993627*	
Iron - ICAP	**0.91**	**mg/l**	**RJ**	0.081	0.26	200.7	rf	3/13/2000	*993627*	
Lead - Furnace AA	**12**	**ug/l**	**RJ**	1.5	4.8	239.2	rf	3/14/2000	*993640*	
Manganese - ICAP	**0.08**	**mg/l**	**RJ**	0.006	0.02	200.7	rf	3/13/2000	*993627*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	dmd	3/16/2000	*993659*	
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.011	0.03	200.7	rf	3/13/2000	*993627*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	rf	3/16/2000	*993652*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	rf	3/13/2000	*993627*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	**0.05**	**mg/l**	**RJ**	0.014	0.04	200.7	rf	3/13/2000	*993627*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	3/8/2000	*993653*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	dmd	3/17/2000	*993674*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	3/14/2000	*993636*	
pH (water)	**7.4**	**s.u.**	**#**			150.1	ag	3/7/00	*993593*	

Nova Sample Number: 18790
Client ID: **000307EW-03**
Collection: 3/7/2000 Time: 15:40
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	rf	3/15/2000	*993650*	
Barium - ICAP	**0.13**	**mg/l**	**RJ**	0.007	0.02	200.7	rf	3/13/2000	*993627*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000150**
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	3.5	ug/l	RJ	0.7	2.2	213.2	rf	3/14/2000	*993644*	
Cadmium-Total Recoverable	3	ug/l	TR	0.7	2.2	7131	rf	3/15/2000	*993645*	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	rf	3/13/2000	*993627*	
Copper- ICAP	0.32	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	*993627*	
Iron - ICAP	2.2	mg/l	RJ	0.081	0.26	200.7	rf	3/13/2000	*993627*	
Lead - Furnace AA	46	ug/l	RJ	1.5	4.8	239.2	rf	3/14/2000	*993640*	
Manganese - ICAP	0.09	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	*993627*	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	*993659*	
Nickel - ICAP	0.03	mg/l	*J* RJ	0.011	0.03	200.7	rf	3/13/2000	*993627*	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	*993652*	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	rf	3/13/2000	*993627*	
Thallium - Furnace AA	2.7	ug/l	*J* RJ	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	1.2	mg/l	RJ	0.014	0.04	200.7	rf	3/13/2000	*993627*	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	3/8/2000	*993653*	
Cyanide, Amenable	0.01	mg/l	*J* RJ	0.006	0.02	335.2	dmd	3/17/2000	*993674*	
Cyanide, Total	0.01	mg/l	*J*	0.006	0.02	335.2	dmd	3/14/2000	*993636*	
pH (water)	7.3	s.u.	#			150.1	ag	3/7/00	*993593*	

Nova Sample Number: 18791
Client ID: **000307EW-04**

Collection: 3/7/2000 Time: 15:50
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	rf	3/15/2000	*993650*	
Barium - ICAP	0.15	mg/l	RJ	0.007	0.02	200.7	rf	3/13/2000	*993627*	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	3/14/2000	*993644*	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	rf	3/13/2000	*993627*	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	*993627*	
Iron - ICAP	0.44	mg/l	RJ	0.081	0.26	200.7	rf	3/13/2000	*993627*	
Lead - Furnace AA	4.5	ug/l	*J* RJ	1.5	4.8	239.2	rf	3/14/2000	*993640*	
Manganese - ICAP	0.37	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	*993627*	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	*993659*	
Nickel - ICAP	0.11	mg/l	RJ	0.011	0.03	200.7	rf	3/13/2000	*993627*	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	*993652*	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	rf	3/13/2000	*993627*	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	0.04	mg/l	*J* RJ	0.014	0.04	200.7	rf	3/13/2000	*993627*	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	3/8/2000	*993653*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000150
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Amenable	0.01	mg/l	J RJ	0.006	0.02	335.2	dmd	3/17/2000	993674	
Cyanide, Total	0.03	mg/l		0.006	0.02	335.2	dmd	3/14/2000	993636	
pH (water)	7.2	s.u.	#			150.1	ag	3/7/00	993593	

Nova Sample Number: 18792
Client ID: **000307EW05**
Collection: 3/7/2000 Time: 16:00
Sample Description:

Arsenic - Furnace AA	9.1	ug/l	J RJ	5.6	18	206.2	rf	3/15/2000	993650	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	rf	3/13/2000	993627	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	3/14/2000	993644	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	rf	3/13/2000	993627	
Copper- ICAP	0.009	mg/l	J RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Iron - ICAP	1.9	mg/l	RJ	0.081	0.26	200.7	rf	3/13/2000	993627	
Lead - Furnace AA	2.8	ug/l	J RJ	1.5	4.8	239.2	rf	3/14/2000	993640	
Manganese - ICAP	0.08	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	rf	3/13/2000	993627	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	3/16/2000	993652	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	rf	3/13/2000	993627	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	rf	3/15/2000	993646	
Zinc - ICAP	0.08	mg/l	RJ	0.014	0.04	200.7	rf	3/13/2000	993627	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	3/8/2000	993653	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	dmd	3/17/2000	993674	
Cyanide, Total	0.02	mg/l		0.006	0.02	335.2	dmd	3/14/2000	993636	
pH (water)	7.4	s.u.	#			150.1	ag	3/7/00	993593	

Nova Sample Number: 18793
Client ID: **000307WA01P**
Collection: 3/7/2000 Time: 14:00
Sample Description:

Arsenic - Furnace AA	7.9	ug/l	J RJ	5.6	18	206.2	rf	3/15/2000	993650	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	rf	3/13/2000	993627	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	3/14/2000	993644	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	rf	3/13/2000	993627	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Iron - ICAP	1.3	mg/l	RJ	0.081	0.26	200.7	rf	3/13/2000	993627	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	rf	3/14/2000	993640	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000150
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Manganese - ICAP	0.17	mg/l		RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659	
Nickel - ICAP	0.08	mg/l		RJ	0.011	0.03	200.7	rf	3/13/2000	993627	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	rf	3/16/2000	993652	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	rf	3/13/2000	993627	
Thallium - Furnace AA	<1.7	ug/l		RJ	1.7	5.4	279.2	rf	3/15/2000	993646	
Zinc - ICAP	0.02	mg/l	J	RJ	0.014	0.04	200.7	rf	3/13/2000	993627	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	3/8/2000	993653	
COD. Total	20	mg/l	J		7.3	23	410.4-CT	128053	3/15/2000	993655	
Cyanide, Amenable	<0.006	mg/l		RJ	0.006	0.02	335.2	dmd	3/17/2000	993674	
Cyanide, Total	0.02	mg/l			0.006	0.02	335.2	dmd	3/14/2000	993636	
pH (water)	7.4	s.u.	#				150.1	ag	3/7/00	993593	
Solids, Total Suspended	3	mg/l	J		1	3.2	SM 2540	rf	3/9/00	993612	

Nova Sample Number: 18794
Client ID: 000307WA09R

Collection: 3/7/2000 Time: 15:00
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	rf	3/15/2000	993650	
Barium - ICAP	0.02	mg/l	J	RJ	0.007	0.02	200.7	rf	3/13/2000	993627	
Cadmium - Furnace AA	1.3	ug/l	J	RJ	0.7	2.2	213.2	rf	3/14/2000	993644	
Cadmium-Total Recoverable	0.74	ug/l	J	TR	0.7	2.2	7131	rf	3/15/2000	993645	
Chromium, Total - ICAP	0.008	mg/l	J	RJ	0.008	0.03	200.7	rf	3/13/2000	993627	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Iron - ICAP	0.45	mg/l		RJ	0.081	0.26	200.7	rf	3/13/2000	993627	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	3/14/2000	993640	
Manganese - ICAP	0.02	mg/l		RJ	0.006	0.02	200.7	rf	3/13/2000	993627	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	3/16/2000	993659	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	rf	3/13/2000	993627	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	rf	3/16/2000	993652	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	rf	3/13/2000	993627	
Thallium - Furnace AA	<1.7	ug/l		RJ	1.7	5.4	279.2	rf	3/15/2000	993646	
Zinc - ICAP	0.02	mg/l	J	RJ	0.014	0.04	200.7	rf	3/13/2000	993627	
COD. Total	<7.3	mg/l			7.3	23	410.4-CT	128053	3/15/2000	993655	
Nitrate + Nitrite Nitrogen	0.24	mg/l			0.024	0.08	353.3	#12805	3/28/2000	993729	
Nitrogen, Ammonia	1.2	mg/l			0.1	0.32	350.1	128053	3/13/2000	993657	
pH (water)	8.5	s.u.	#				150.1	ag	3/7/00	993593	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000150
DATE REPORTED: 03-Apr-00
DATE RECEIVED: 07-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: weekly + Monitoring

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Phosphorus, Total	**0.14**	**mg/l**		0.033	0.10	365.2	128053	3/15/2000	*993658*	
Solids, Total Suspended	**1.5**	**mg/l**	*J*	1	3.2	SM 2540	rf	3/9/00	*993612*	
Nova Sample Number: 18795										
Client ID: **000307WA05P**								Collection: 3/7/2000	Time: 14:30	
								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	rf	3/15/2000	*993650*	
Barium - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	rf	3/13/2000	*993627*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	rf	3/14/2000	*993644*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	rf	3/13/2000	*993627*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	rf	3/13/2000	*993627*	
Iron - ICAP	**0.06**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	rf	3/13/2000	*993627*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	rf	3/14/2000	*993640*	
Manganese - ICAP	**0.006**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	rf	3/13/2000	*993627*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	dmd	3/16/2000	*993659*	
Nickel - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	rf	3/13/2000	*993627*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	rf	3/16/2000	*993652*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	rf	3/13/2000	*993627*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	rf	3/15/2000	*993646*	
Zinc - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	rf	3/13/2000	*993627*	
pH (water)	**6.5**	**s.u.**	**#**			150.1	ag	3/7/00	*993593*	
Nova Sample Number: 18796										
Client ID: **000307WA03P**								Collection: 3/7/2000	Time: 14:20	
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	ag	3/7/00	*993593*	
Nova Sample Number: 18797										
Client ID: **000307WA02P**								Collection: 3/7/2000	Time: 14:10	
								Sample Description:		
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	3/14/2000	*993637*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	3/14/2000	*993636*	
pH (water)	**10**	**s.u.**	**#**			150.1	ag	3/7/00	*993593*	
Nova Sample Number: 18798										
Client ID: **000307WA09P**								Collection: 3/7/2000	Time: 14:50	
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	3/8/2000	*993653*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000150**
DATE REPORTED:	03-Apr-00
DATE RECEIVED:	07-Mar-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	weekly + Monitoring

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	3/14/2000	*993637*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	3/14/2000	*993636*	

Approved By: _____ **Date:** 3/31/00
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.

ENCHEM

- Analytical Report -

Project Name : OCONOMOWOC GROUNDWATER TREATME
Submitter : US ARMY CORPS OF ENGINEERS

Project Number :
Report Date : 2/21/00

Field ID : 000207WA09Q
Collection Date : 2/7/00

Lab Sample Number : 900406-001
Matrix Type : GROUNDWATER

Lab Project Number : 900406
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER
Prep Method: SW846 5030

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		2/9/00	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		2/9/00	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		2/9/00	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		2/9/00	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		2/9/00	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		2/9/00	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		2/9/00	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		2/9/00	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		2/9/00	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		2/9/00	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		2/9/00	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		2/9/00	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		2/9/00	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		2/9/00	SW846 8260B

- Analytical Report -

Project Name : OCONOMOWOC GROUNDWATER TREATME
Submitter : US ARMY CORPS OF ENGINEERS

Project Number :
Report Date : 2/21/00

Field ID : TRIP BLANK
Collection Date : 2/7/00

Lab Sample Number : 900406-004
Matrix Type : BLANK

Lab Project Number : 900406
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER
Prep Method: SW846 5030

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		2/9/00	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		2/9/00	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		2/9/00	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		2/9/00	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		2/9/00	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		2/9/00	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		2/9/00	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		2/9/00	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		2/9/00	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		2/9/00	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		2/9/00	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		2/9/00	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		2/9/00	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		2/9/00	SW846 8260B

- Analytical Report -

Project Name : OCONOMOWOC GROUNDWATER TREATME
Submitter : US ARMY CORPS OF ENGINEERS

Project Number :
Report Date : 02/29/00

Station ID : 000207WA09Q
Collection Date : 02/07/00

Lab Sample Number 900406-001
Matrix Type : GROUNDWATER

Lab Project Number 900406
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Chromium, Hexavalent	< 34	34	110		ug/L	ED	02/08/00	SW846 7196A	SW846 7196A
COD	14	2.8	8.9		mg/L		02/25/00	EPA 410.4	EPA 410.4
Cyanide, Free	< 0.0089	0.0089	0.028		mg/L		02/15/00	EPA 335.4	EPA 335.4
Cyanide, total	< 1.8	1.8	5.7		mg/L	ED, NP	02/16/00	EPA 335.4	EPA 335.4
Nitrogen, ammonia	0.061	0.045	0.14		mg/L	Q	02/15/00	EPA 350.1	EPA 350.1
Nitrogen, NO3 + NO2	1.9	0.037	0.12		mg/L		02/14/00	EPA 353.2	EPA 353.2
Phosphorus, total	< 0.31	0.31	0.99		mg/L		02/15/00	EPA 365.4	EPA 365.1
Solids, total suspended	< 4.0	4.0	13		mg/L	H(1)	02/15/00	EPA 160.2	EPA 160.2

- Analytical Report -

Project Name : OCONOMOWOC GROUNDWATER TREATME
Submitter : US ARMY CORPS OF ENGINEERS

Project Number :
Report Date : 02/29/00

Station ID : 000207WA09Q
Collection Date : 02/07/00

Lab Sample Number 900406-001
Matrix Type : GROUNDWATER

Lab Project Number 900406
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	< 0.73	0.73	2.3		ug/L		02/16/00	SW846 3010	SW846 6020
Barium	22	0.13	0.41		ug/L		02/16/00	SW846 3010	SW846 6020
Cadmium	0.23	0.065	0.21		ug/L		02/21/00	SW846 3010	SW846 6020
Cadmium - Recoverable	0.36	0.067	0.21		ug/L	A(0.21)	02/21/00	SW846 3005	SW846 6020
Chromium	0.89	0.14	0.45		ug/L	A (0.66)	02/16/00	SW846 3010	SW846 6020
Copper	< 2.2	2.2	7.0		ug/L		02/16/00	SW846 3010	SW846 6020
Iron	37	13	41		ug/L	QA (23.4)	02/16/00	SW846 3010	SW846 6020
Lead	0.14	0.11	0.35		ug/L	Q	02/16/00	SW846 3010	SW846 6020
Manganese	1.1	0.054	0.17		ug/L	A (0.34)	02/16/00	SW846 3010	SW846 6020
Mercury	< 0.048	0.048	0.15		ug/L		02/16/00	SW846 3005	SW846 6020
Nickel	12	0.16	0.51		ug/L		02/16/00	SW846 3010	SW846 6020
Selenium	< 0.70	0.70	2.2		ug/L	N	02/16/00	SW846 3010	SW846 6020
Silver	< 0.25	0.25	0.80		ug/L		02/16/00	SW846 3005	SW846 6020
Thallium	1.7	0.13	0.41		ug/L		02/16/00	SW846 3010	SW846 6020
Zinc	5.6	1.0	3.2		ug/L	N, A (1.6)	02/16/00	SW846 3010	SW846 6020

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000206**
DATE REPORTED: 30-Mar-00
DATE RECEIVED: 27-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: **19027** QC Prep Batch Number: 993732 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000327WA01P** Sample Description: *Collection: 3/27/2000 Time:*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	3/29/2000
1,1,1-Trichloroethane	166	ug/l	2.3	7.3	40	10		8260	cps	3/29/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	3/29/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	3/29/2000
1,1-Dichloroethane	26	ug/l	1.5	4.8	85	10		8260	cps	3/29/2000
1,1-Dichloroethene	14	ug/l	3.6	11	0.7	10		8260	cps	3/29/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	3/29/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	3/29/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	3/29/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	3/29/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/29/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	3/29/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	3/29/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	3/29/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	3/29/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/29/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	3/29/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	3/29/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	3/29/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	3/29/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	3/29/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	3/29/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/29/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	3/29/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	3/29/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	3/29/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	3/29/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	3/29/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	3/29/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	3/29/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	3/29/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	3/29/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	3/29/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	3/29/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	3/29/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	3/29/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	3/29/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	3/29/2000
cis-1,2-Dichloroethene	42	ug/l	2	6.4	7	10		8260	cps	3/29/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	3/29/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000206**
DATE REPORTED: 30-Mar-00
DATE RECEIVED: 27-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	3/29/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	3/29/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	3/29/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	3/29/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	3/29/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	3/29/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	3/29/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	3/29/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	3/29/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	3/29/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/29/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	3/29/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	3/29/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	3/29/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	3/29/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	3/29/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	3/29/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	3/29/2000
Tetrachloroethene	6.4	ug/l	2.9	9.2	0.5	10	J	8260	cps	3/29/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	3/29/2000
trans-1,2-Dichloroethene	13	ug/l	1.6	5.1	20	10		8260	cps	3/29/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	3/29/2000
Trichloroethene	511	ug/l	1.6	5.1	0.5	10		8260	cps	3/29/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	3/29/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	3/29/2000

Sample Number: **19029** QC Prep Batch Number: 993732 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000327WA09P** Sample Description: *Collection: 3/27/2000 Time:*

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000206**
DATE REPORTED: 30-Mar-00
DATE RECEIVED: 27-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000206**
DATE REPORTED: 30-Mar-00
DATE RECEIVED: 27-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/29/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/29/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/29/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/29/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/29/2000
Trichloroethene	0.25	ug/l	0.16	0.51	0.5	1	J	8260	cps	3/29/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/29/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/29/2000

Sample Number: **19030** QC Prep Batch Number: 993732 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000327WA07P** Sample Description: *Collection: 3/27/2000 Time:*

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000206**
DATE REPORTED: 30-Mar-00
DATE RECEIVED: 27-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/29/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/29/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/29/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	3/29/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/29/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/29/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/29/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/29/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/29/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/29/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/29/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/29/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/29/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/29/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/29/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/29/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/29/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/29/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/29/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/29/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/29/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/29/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/29/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/29/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/29/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/29/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/29/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/29/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/29/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/29/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/29/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	3/29/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/29/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/29/2000

Sample Number: **19031** QC Prep Batch Number: 993732 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 3/27/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/29/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/29/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/29/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/29/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	3/29/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000206**
DATE REPORTED: 30-Mar-00
DATE RECEIVED: 27-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000206**
DATE REPORTED: 30-Mar-00
DATE RECEIVED: 27-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	**ug/l**	0.21	0.67	12	1		8260	cps	3/29/2000
Methylene chloride	< 0.76	**ug/l**	0.76	2.4	0.5	1		8260	cps	3/29/2000
n-Butylbenzene	< 0.23	**ug/l**	0.23	0.73	ns	1		8260	cps	3/29/2000
n-Propylbenzene	< 0.25	**ug/l**	0.25	0.8	ns	1		8260	cps	3/29/2000
Naphthalene	< 0.46	**ug/l**	0.46	1.5	8	1		8260	cps	3/29/2000
o-xylene	< 0.18	**ug/l**	0.18	0.57	124	1		8260	cps	3/29/2000
p-Isopropyltoluene	< 0.18	**ug/l**	0.18	0.57	ns	1		8260	cps	3/29/2000
sec-Butylbenzene	< 0.3	**ug/l**	0.3	0.95	ns	1		8260	cps	3/29/2000
Styrene	< 0.21	**ug/l**	0.21	0.67	10	1		8260	cps	3/29/2000
tert-Butylbenzene	< 0.2	**ug/l**	0.2	0.64	ns	1		8260	cps	3/29/2000
Tetrachloroethene	< 0.29	**ug/l**	0.29	0.92	0.5	1		8260	cps	3/29/2000
Toluene	< 0.33	**ug/l**	0.33	1	68.6	1		8260	cps	3/29/2000
trans-1,2-Dichloroethene	< 0.16	**ug/l**	0.16	0.51	20	1		8260	cps	3/29/2000
trans-1,3-Dichloropropene	< 0.2	**ug/l**	0.2	0.64	0.02	1		8260	cps	3/29/2000
Trichloroethene	< 0.16	**ug/l**	0.16	0.51	0.5	1		8260	cps	3/29/2000
Trichlorofluoromethane	< 0.34	**ug/l**	0.34	1.1	ns	1		8260	cps	3/29/2000
Vinyl chloride	< 0.21	**ug/l**	0.21	0.67	0.02	1		8260	cps	3/29/2000

Approved By: _____ **Date:** 4/28/00

James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20000206**
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 27-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 19027											
Client ID: **000327WA01P**									Collection: 3/27/2000		Time:
									Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	rf	3/28/00	*993757*	
Barium - ICAP	**0.12**	**mg/l**		**RJ**	0.007	0.02	200.7	rf	3/28/00	*993765*	
Cadmium - Furnace AA	**<0.7**	**ug/l**		**TTR**	0.7	2.2	213.2	rf	3/28/00	*993755*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	rf	3/28/00	*993765*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	rf	3/28/00	*993765*	
Iron - ICAP	**1.2**	**mg/l**		**RJ**	0.081	0.26	200.7	rf	3/28/00	*993765*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	rf	4/4/00	*993774*	
Manganese - ICAP	**0.17**	**mg/l**		**RJ**	0.006	0.02	200.7	rf	3/28/00	*993765*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	rf	3/30/00	*993734*	
Nickel - ICAP	**0.04**	**mg/l**		**RJ**	0.011	0.03	200.7	rf	3/28/00	*993765*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	dmd	4/5/2000	*993770*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	rf	3/28/00	*993765*	
Thallium - Furnace AA	**<1.7**	**ug/l**		**RJ**	1.7	5.4	279.2	rf	3/28/00	*993756*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	rf	3/28/00	*993765*	
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500	128053	4/5/2000	*993775*	
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	4/11/2000	*993809*	
Cyanide, Total	**0.009**	**mg/l**	*J*		0.006	0.02	335.2	dmd	3/29/2000	*993725*	
pH (water)	**7.4**	**s.u.**	#				150.1	dd	3/27/00	*993713*	
Nova Sample Number: 19028											
Client ID: **000327WA09R**									Collection: 3/27/2000		Time:
									Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	rf	3/28/00	*993757*	
Barium - ICAP	**0.03**	**mg/l**		**RJ**	0.007	0.02	200.7	rf	3/28/00	*993765*	
Cadmium - Furnace AA	**<0.7**	**ug/l**		**TTR**	0.7	2.2	213.2	rf	3/28/00	*993755*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	rf	3/28/00	*993765*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	rf	3/28/00	*993765*	
Iron - ICAP	**0.19**	**mg/l**	*J*	**RJ**	0.081	0.26	200.7	rf	3/28/00	*993765*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	rf	4/4/00	*993774*	
Manganese - ICAP	**0.008**	**mg/l**	*J*	**RJ**	0.006	0.02	200.7	rf	3/28/00	*993765*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	rf	3/30/00	*993734*	
Nickel - ICAP	**15**	**ug/l**	*J*	**RJ**	11	35	200.7	rf	3/28/00	*993765*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	dmd	4/5/2000	*993770*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000206**
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 27-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	rf	3/28/00	*993765*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	rf	3/28/00	*993756*	
pH (water)	**8**	**s.u.**	#			150.1	dd	3/27/00	*993713*	
Nova Sample Number: 19029										
Client ID: **000327WA09P**								Collection: 3/27/2000		Time:
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	4/5/2000	*993775*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	3/29/2000	*993723*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	3/29/2000	*993725*	
Nova Sample Number: 19032										
Client ID: **000327WA02P**								Collection: 3/27/2000		Time:
								Sample Description:		
pH (water)	**10**	**s.u.**	#			150.1	dd	3/27/00	*993713*	
Nova Sample Number: 19033										
Client ID: **000327WA03P**								Collection: 3/27/2000		Time:
								Sample Description:		
pH (water)	**11**	**s.u.**	#			150.1	dd	3/27/00	*993713*	
Nova Sample Number: 19034										
Client ID: **000327WA05P**								Collection: 3/27/2000		Time:
								Sample Description:		
pH (water)	**7.2**	**s.u.**	#			150.1	dd	3/27/00	*993713*	

Approved By: _____ **Date:** 4/28/00
James Chang, Ph.D. , Lab Director

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

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000194**
DATE REPORTED: 24-Mar-00
DATE RECEIVED: 21-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEKLY Sampling
PROJECT NAME: OGTP

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

Sample Number: **18987** QC Prep Batch Number: 993700 *Sample analyzed within 3 Day(s) from collection.*
Client ID: **00320WA01P** Sample Description: *Collection: 3/20/2000 Time: 13:00*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	3/23/2000
1,1,1-Trichloroethane	171	ug/l	2.3	7.3	40	10		8260	cps	3/23/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	3/23/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	3/23/2000
1,1-Dichloroethane	28	ug/l	1.5	4.8	85	10		8260	cps	3/23/2000
1,1-Dichloroethene	15	ug/l	3.6	11	0.7	10		8260	cps	3/23/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	3/23/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	3/23/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	3/23/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	3/23/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/23/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	3/23/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	3/23/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	3/23/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	3/23/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/23/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	3/23/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	3/23/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	3/23/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	3/23/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	3/23/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	3/23/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	3/23/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	3/23/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	3/23/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	3/23/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	3/23/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	3/23/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	3/23/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	3/23/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	3/23/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	3/23/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	3/23/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	3/23/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	3/23/2000
Chloroethane	13	ug/l	12	37	80	10	J	8260	cps	3/23/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	3/23/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	3/23/2000
cis-1,2-Dichloroethene	44	ug/l	2	6.4	7	10		8260	cps	3/23/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	3/23/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000194**
DATE REPORTED: 24-Mar-00
DATE RECEIVED: 21-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEKLY Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	3/23/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	3/23/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	3/23/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	3/23/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	3/23/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	3/23/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	3/23/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	3/23/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	3/23/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	3/23/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	3/23/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	3/23/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	3/23/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	3/23/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	3/23/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	3/23/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	3/23/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	3/23/2000
Tetrachloroethene	6.7	ug/l	2.9	9.2	0.5	10	J	8260	cps	3/23/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	3/23/2000
trans-1,2-Dichloroethene	14	ug/l	1.6	5.1	20	10		8260	cps	3/23/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	3/23/2000
Trichloroethene	504	ug/l	1.6	5.1	0.5	10		8260	cps	3/23/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	3/23/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	3/23/2000

Sample Number: **18991** QC Prep Batch Number: 993700 *Sample analyzed within 3 Day(s) from collection.*
Client ID: **00320WA07P** Sample Description: *Collection: 3/20/2000 Time: 13:30*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/23/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	3/23/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/23/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/23/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	3/23/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/23/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/23/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/23/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/23/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	3/23/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/23/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/23/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	3/23/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/23/2000

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

WDNR# 241340550

BATCH NUMBER: **20000194**
DATE REPORTED: 24-Mar-00
DATE RECEIVED: 21-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEKLY Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/23/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/23/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/23/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/23/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/23/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/23/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/23/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/23/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/23/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/23/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/23/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/23/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/23/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/23/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/23/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/23/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/23/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/23/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/23/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/23/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	3/23/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/23/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/23/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/23/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/23/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/23/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/23/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/23/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/23/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/23/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/23/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/23/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/23/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/23/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/23/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/23/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/23/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/23/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/23/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/23/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/23/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/23/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/23/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000194**
DATE REPORTED:	24-Mar-00
DATE RECEIVED:	21-Mar-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEKLY Sampling
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/23/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/23/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/23/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/23/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/23/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	3/23/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/23/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/23/2000

Sample Number: **18992** QC Prep Batch Number: 993700 *Sample analyzed within 3 Day(s) from collection.*
Client ID: **00320WA09P** Sample Description: *Collection: 3/20/2000 Time: 13:35*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/23/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/23/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/23/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/23/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	3/23/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/23/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/23/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/23/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/23/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/23/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/23/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/23/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/23/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/23/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/23/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/23/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/23/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/23/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/23/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/23/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/23/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/23/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/23/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/23/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/23/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/23/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/23/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/23/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/23/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/23/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/23/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000194**
DATE REPORTED: 24-Mar-00
DATE RECEIVED: 21-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEKLY Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/23/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/23/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/23/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	3/23/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/23/2000
Chloroform	1.7	ug/l	0.27	0.86	0.6	1		8260	cps	3/23/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/23/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/23/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/23/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/23/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/23/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/23/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/23/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/23/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/23/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/23/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/23/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/23/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/23/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/23/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/23/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/23/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/23/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/23/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/23/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/23/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/23/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/23/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/23/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/23/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/23/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	3/23/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/23/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/23/2000

Sample Number: **18994** QC Prep Batch Number: 993700 *Sample analyzed within 3 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 3/20/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/23/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	3/23/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	3/23/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/23/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	3/23/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000194**
DATE REPORTED: 24-Mar-00
DATE RECEIVED: 21-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEKLY Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	3/23/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	3/23/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/23/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	3/23/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	3/23/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/23/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	3/23/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	3/23/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/23/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	3/23/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/23/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	3/23/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	3/23/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	3/23/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	3/23/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	3/23/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	3/23/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	3/23/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	3/23/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/23/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	3/23/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	3/23/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	3/23/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	3/23/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/23/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	3/23/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	3/23/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	3/23/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	3/23/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	3/23/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	3/23/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	3/23/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	3/23/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	3/23/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	3/23/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	3/23/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	3/23/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	3/23/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	3/23/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	3/23/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	3/23/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	3/23/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	3/23/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000194**
DATE REPORTED: 24-Mar-00
DATE RECEIVED: 21-Mar-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEKLY Sampling
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	3/23/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	3/23/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	3/23/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	3/23/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	3/23/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	3/23/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	3/23/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	3/23/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	3/23/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	3/23/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	3/23/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	3/23/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	3/23/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	3/23/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	3/23/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	3/23/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	3/23/2000

Approved By: _____ **Date:** 4/28/00
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20000194**
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 21-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: WEEKLY Samp
PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 18987										
Client ID: **00320WA01P**								Collection: 3/20/2000 Sample Description:		Time: 13:00
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	rf	3/28/00	*993757*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	rf	3/23/00	*993705*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	rf	3/28/00	*993755*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	rf	3/23/00	*993705*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	rf	3/23/00	*993705*	
Iron - ICAP	**1.2**	**mg/l**	**RJ**	0.081	0.26	200.7	rf	3/23/00	*993705*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	rf	3/22/00	*993706*	
Manganese - ICAP	**0.18**	**mg/l**	**RJ**	0.006	0.02	200.7	rf	3/23/00	*993705*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	rf	3/22/00	*993708*	
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.011	0.03	200.7	rf	3/23/00	*993705*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	dmd	4/5/2000	*993770*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	rf	3/23/00	*993705*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	rf	3/28/00	*993756*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	rf	3/23/00	*993705*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	3/21/2000	*993724*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	4/11/2000	*993809*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	3/29/2000	*993725*	
pH (water)	**7.2**	**s.u.**	**#**			150.1	dd	3/20/00	*993686*	
Nova Sample Number: 18988										
Client ID: **00320WA02P**								Collection: 1:00:00 P Sample Description:		Time: 13:15
pH (water)	**9.8**	**s.u.**	**#**			150.1	dd	3/20/00	*993686*	
Nova Sample Number: 18989										
Client ID: **00320WA03P**								Collection: 1:00:00 P Sample Description:		Time: 13:20
pH (water)	**11**	**s.u.**	**#**			150.1	dd	3/20/00	*993686*	
Nova Sample Number: 18990										
Client ID: **00320WA05P**								Collection: 1:00:00 P Sample Description:		Time: 13:25
pH (water)	**7.4**	**s.u.**	**#**			150.1	dd	3/20/00	*993686*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000194
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 21-Mar-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: WEEKLY Samp
PROJECT NAME: OGTP

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

Nova Sample Number: 18992
Client ID: **00320WA09P**
Collection: 3/20/2000 Time: 13:35
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	3/21/2000	993724	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	dmd	3/29/2000	993723	
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	dmd	3/29/2000	993725	

Nova Sample Number: 18993
Client ID: **00320WA09R**
Collection: 3/20/2000 Time: 13:40
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	rf	3/28/00	993757	
Barium - ICAP	0.03	mg/l		RJ	0.007	0.02	200.7	rf	3/23/00	993705	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	rf	3/28/00	993755	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	rf	3/23/00	993705	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	rf	3/23/00	993705	
Iron - ICAP	<0.081	mg/l		RJ	0.081	0.26	200.7	rf	3/23/00	993705	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	rf	3/22/00	993706	
Manganese - ICAP	0.01	mg/l	J	RJ	0.006	0.02	200.7	rf	3/23/00	993705	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	rf	3/22/00	993708	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	rf	3/23/00	993705	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	dmd	4/5/2000	993770	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	rf	3/23/00	993705	
Thallium - Furnace AA	<1.7	ug/l		RJ	1.7	5.4	279.2	rf	3/28/00	993756	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	rf	3/23/00	993705	
pH (water)	7.9	s.u.	#				150.1	dd	3/20/00	993686	

Approved By: _____ **Date:** 4/28/0

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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