June 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 May, 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

June 15, 2000

1.0 Introduction

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

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

1.1 Site Background Review

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

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

1.2 Project Objectives

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

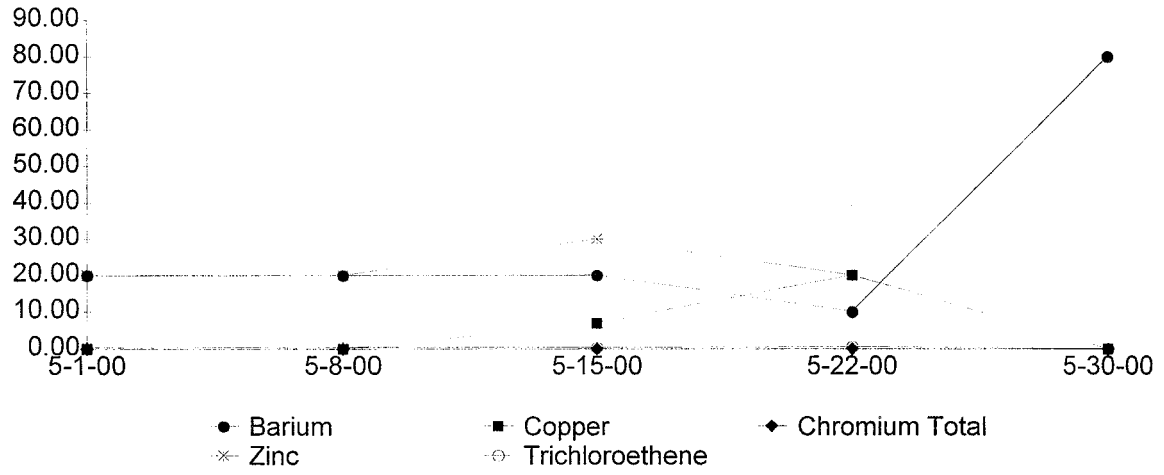
1.3 Effluent Monitoring

Weekly monitoring was conducted on May 1, 8, 15, 22, and 30. The weekly samples for May were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in May showed an exceedence of the WDNR effluent discharge permit in TCE from the May 22 sampling.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

Paul Kozol, of the WDNR, was notified about the exceedence of Trichloroethylene (TCE) from the May 22 sampling. The results of the May 22 sampling of TCE was 0.58 ug/l and the permit limit for TCE is 0.5 ug/l. Mr. Kozol authorized the treatment plant to continue to operate based on in-house sampling that is being conducted by APL, Inc. to find out why there is a "Less Than the Level of Detection" of TCE going into the Effluent Holding Tank (EHT-700) but there is TCE detected leaving the EHT-700. The tank was opened and cleaned of Carbon and sludge from the bottom earlier in May but the TCE is still being detected. Mr. Kozol authorized the treatment plant to continue to operate until the TCE level reaches 1.0 ug/l. The TCE hits are still occurring and several grab samples were taken around the EHT-700 for possible sources of TCE, but all came up negative. Air sampling was conducted throughout the building and the back ground readings were showing hits of VOC's in the range of 0.4 to 0.8 ug/l. It is believed that the TCE is entering the EHT-700 through it's vent pipe, overflow pipe, and top manway access. The vent pipe and overflow pipe were sealed off and the top manway cover is kept closed. More sampling will be conducted to see if the TCE levels change. There may need to have the EHT-700 re-engineered to prevent VOC's from entering it from the air. The operators will continue to pursue this problem until resolved. The results from the May 30 sampling showed no TCE detected in the effluent.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down three times for a total of 5.5 hours in May, 2000. The shut downs were due to a Clogged Discharge Line from Ft-311, to Clean Out RMT-301, FT-311, and EHT-700, and from a Low EQT-100 Level. Table 1 shows the summary of the plant down times for the month of May, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
5-2-00	1	Shut Down Due to Clogged FT-311 Discharge Line
5-5-00	1.25	Shut Down Due to Clean RMT-301, FT-311, & EHT-700
5-31-00	3.25	Shut Down Due to a Low EQT-100 Level
TOTAL	**5.5**	

3.1 Shut Down Due To Clogged FT-311 Discharge Line

On May 2, the treatment plant shut down at 8:00 A.M. to remove the discharge line from the Flocculation Tank (FT-311) to the Clarifier (C-400). The Extraction Well Pumps (EW-1/2/3/4/5) were also shut down to prevent the Equalization Tank (EQT-100) from filling. The discharged line was secured to the header above it (discharge line from the Cyanide Reaction Tanks to the Rapid Mix Tank). FT-311 and C-400 were partially drained to the Sludge Holding Tank (ST-820) and the discharge line was removed and inspected. It was discovered that the main obstruction was located in the metal drop leg for the C-400. The discharge line was cleaned using the hose line jetter and the drop leg was manually scraped and jetted out. The discharge line was reconnected and the treatment plant was restarted at 9:00 A.M. Total down time was 1 hour. The level in the FT-311 dropped by 10" and will be closely watched to prevent it from rising. APL, Inc., WDNR, and USACE were notified of the treatment plant shut down and start up.

3.2 Shut Down for Clean Out RMT-301, FT-311, and EHT-700

On May 5, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-121). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer was cleaned in RMT-301 and the walls, floor, and mixer were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-121 in the discharge mode and the treatment plant was restarted. At the same time, the Effluent Holding Tank (EHT-700) was drained to the Floor Trench Sump and it's manway cover was removed. The remaining liquid was removed using a portable sump pump and the old Carbon and sludge was removed from the bottom of the tank using the Barrel Vacuum. The tank was rinsed out several times to push the Carbon together (to aid in vacuuming it out) and the liquid portion was removed with the portable sump pump. After all of the Carbon and sludge was removed, the manway cover was reinstalled. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 1.25 hours. APL Inc., WDNR, and USACE were notified.

3.3 Shut Down for a Low EQT-100 Level

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

4.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on May 1, 8, 15, 22, and 30 of 2000. The laboratory results of these samples showed that Trichloroethylene 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 May, 2000, the plant was shut down three times for a total of 5.5 hours. See Table 1, Section 3.0 for shut down times. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by June 15, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	5-01-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.3	11.1	N/A	N/A	7.7	Monitor	
TSS	ND	NT	NT	NT	ND	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	20	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	1500	NT	NT	NT	200	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	140	NT	NT	NT	4	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	ND	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	60	NT	NT	NT	20	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	46	NT	1.6/1	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND/ND	NT	ND	0.5	
1,1-Dichloroethene	19	NT	ND/ND	NT	ND	0.7	
1,2-Dichloroethene Cis	60	NT	2.2/1.5	NT	ND	7	
1,2-Dichloroethene Trans	18	NT	.42/.25	NT	ND	20	
Ethylbenzene	ND	NT	ND/ND	NT	ND	140	
Methylene Chloride	ND	NT	ND/ND	NT	ND	0.5	
Tetrachloroethene	6.4	NT	ND/ND	NT	ND	0.5	
Toluene	ND	NT	ND/ND	NT	ND	68	
1,1,1-Trichloroethane	220	NT	4/2.4	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND/ND	NT	ND	0.5	
TCE	584	NT	14/8.5	NT	0.47	0.5	
Vinyl Chloride	2.1	NT	ND/ND	NT	ND	0.2	
Xylene Total	ND	NT	ND/ND	NT	ND	124	
COD	12	NT	NT	NT	ND	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	0.2	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	2.2	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	ND	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	5-08-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.7	11.2	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	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	16	NT	NT	NT	ND	10	
Copper	20	NT	NT	NT	ND	Monitor	
Iron	1100	NT	NT	NT	150	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	160	NT	NT	NT	5	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	10	NT	NT	NT	ND	20	
Selenium	17	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	20	NT	NT	NT	20	Monitor	
Cyanide	20	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	50	NT	0.64	ND	ND	85	
1,2-Dichloroethane	ND	NT	ND	ND	ND	0.5	
1,1-Dichloroethene	24	NT	ND	ND	ND	0.7	
1,2-Dichloroethene Cis	63	NT	0.89	ND	ND	7	
1,2-Dichloroethene Trans	19	NT	ND	ND	ND	20	
Ethylbenzene	ND	NT	ND	ND	ND	140	
Methylene Chloride	ND	NT	ND	ND	ND	0.5	
Tetrachloroethene	5.2	NT	ND	ND	ND	0.5	
Toluene	ND	NT	ND	ND	ND	68	
1,1,1-Trichloroethane	287	NT	1.1	ND	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND	0.5	
TCE	639	NT	4.5	ND	0.41	0.5	
Vinyl Chloride	ND	NT	ND	ND	ND	0.2	
Xylene Total	ND	NT	ND	ND	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	5-15-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.3	11.2	N/A	N/A	7.5	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	20	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	10	NT	NT	NT	ND	10	
Copper	10	NT	NT	NT	7	Monitor	
Iron	3600	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	150	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	30	NT	NT	NT	10	20	
Selenium	9.6	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	4	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	30	NT	NT	NT	30	Monitor	
Cyanide	30	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	36	NT	ND	ND	ND	85	
1,2-Dichloroethane	ND	NT	ND	ND	ND	0.5	
1,1-Dichloroethene	16	NT	0.33	ND	ND	0.7	
1,2-Dichloroethene Cis	51	NT	0.5	ND	ND	7	
1,2-Dichloroethene Trans	16	NT	ND	ND	ND	20	
Ethylbenzene	ND	NT	ND	ND	ND	140	
Methylene Chloride	ND	NT	ND	ND	ND	0.5	
Tetrachloroethene	6.3	NT	ND	ND	ND	0.5	
Toluene	ND	NT	ND	ND	ND	68	
1,1,1-Trichloroethane	186	NT	0.58	ND	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND	0.5	
TCE	529	NT	2.6	ND	0.38	0.5	
Vinyl Chloride	ND	NT	ND	ND	ND	0.2	
Xylene Total	ND	NT	ND	ND	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	5-22-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11.1	N/A	N/A	7.9	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	80	NT	NT	NT	10	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	8	NT	NT	NT	20	Monitor	
Iron	880	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	100	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	ND	NT	NT	NT	ND	20	
Selenium	13	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	40	NT	NT	NT	20	Monitor	
Cyanide	20	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	30	NT	0.32	ND	ND	85	
1,2-Dichloroethane	ND	NT	ND	ND	ND	0.5	
1,1-Dichloroethene	13	NT	ND	ND	ND	0.7	
1,2-Dichloroethene Cis	46	NT	0.66	ND	ND	7	
1,2-Dichloroethene Trans	23	NT	ND	ND	ND	20	
Ethylbenzene	ND	NT	ND	ND	ND	140	
Methylene Chloride	ND	NT	ND	ND	ND	0.5	
Tetrachloroethene	7.1	NT	ND	ND	ND	0.5	
Toluene	ND	NT	ND	ND	ND	68	
1,1,1-Trichloroethane	180	NT	0.62	ND	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND	0.5	
TCE	495	NT	3.1	ND	0.58	0.5	
Vinyl Chloride	ND	NT	ND	ND	ND	0.2	
Xylene Total	ND	NT	ND	ND	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	5-30-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11	N/A	N/A	7.8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	170	NT	NT	NT	80	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	1100	NT	NT	NT	150	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	150	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	20	NT	NT	NT	ND	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	3.8	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	ND	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	32	NT	ND	ND	ND	85	
1,2-Dichloroethane	ND	NT	ND	ND	ND	0.5	
1,1-Dichloroethene	17	NT	ND	ND	ND	0.7	
1,2-Dichloroethene Cis	51	NT	0.47	ND	ND	7	
1,2-Dichloroethene Trans	15	NT	ND	ND	ND	20	
Ethylbenzene	ND	NT	ND	ND	ND	140	
Methylene Chloride	ND	NT	ND	ND	ND	0.5	
Tetrachloroethene	6.6	NT	ND	ND	ND	0.5	
Toluene	ND	NT	ND	ND	ND	68	
1,1,1-Trichloroethane	204	NT	0.44	ND	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND	0.5	
TCE	542	NT	2.1	ND	ND	0.5	
Vinyl Chloride	ND	NT	ND	ND	ND	0.2	
Xylene Total	ND	NT	ND	ND	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

A GRAB SAMPLE WAS TAKEN FROM INSIDE OF EHT-700 ON 5-26-00 & RESULTED IN ALL < LEVEL OF DETECTIONS.

FLOW FROM EXTRACTION WELLS

YEAR: 2000

MONTH: May DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	7,699,986.00	24,413.00	0.024	
2	7,724,399.00	24,481.00	0.024	SHUT DOWN
3	7,748,880.00	26,800.00	0.027	
4	7,775,680.00	25,359.00	0.025	
5	7,801,039.00	21,998.00	0.022	
6	7,823,037.00	18,825.00	0.019	
7	7,841,862.00	33,708.00	0.034	
8	7,875,570.00	21,502.00	0.022	
9	7,897,072.00	30,643.00	0.031	SHUT DOWN
10	7,927,715.00	34,846.00	0.035	
11	7,962,561.00	30,129.00	0.030	
12	7,992,690.00	38,408.00	0.038	
13	8,031,098.00	20,988.00	0.021	
14	8,052,086.00	45,528.00	0.046	
15	8,097,614.00	32,955.00	0.033	
16	8,130,569.00	31,876.00	0.032	
17	8,162,445.00	33,049.00	0.033	
18	8,195,494.00	34,256.00	0.034	
19	8,229,750.00	29,345.00	0.029	
20	8,259,095.00	26,742.00	0.027	
21	8,285,837.00	42,885.00	0.043	
22	8,328,722.00	35,908.00	0.036	
23	8,364,630.00	33,036.00	0.033	
24	8,397,666.00	33,411.00	0.033	
25	8,431,077.00	31,312.00	0.031	
26	8,462,389.00	31,424.00	0.031	
27	8,493,813.00	31,465.00	0.031	
28	8,525,278.00	32,695.00	0.033	
29	8,557,973.00	31,658.00	0.032	
30	8,589,631.00	36,632.00	0.037	
31	8,626,263.00	16,599.00	0.017	SHUT DOWN
June 01	8,642,862.00			SHUT DOWN
		TOTAL	0.943	
		AVERAGE	0.030	

FLOW FROM EQT-100

YEAR: 2000

MONTH: May DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	1,549,564.00	40,081.00	0.040	
2	1,589,645.00	34,171.00	0.034	SHUT DOWN
3	1,623,816.00	36,674.00	0.037	
4	1,660,490.00	33,498.00	0.033	
5	1,693,988.00	31,094.00	0.031	SHUT DOWN
6	1,725,082.00	26,311.00	0.026	
7	1,751,393.00	48,246.00	0.048	
8	1,799,639.00	31,384.00	0.031	
9	1,831,023.00	40,159.00	0.040	
10	1,871,182.00	44,787.00	0.045	
11	1,915,969.00	37,996.00	0.038	
12	1,953,965.00	50,836.00	0.051	
13	2,004,801.00	27,673.00	0.028	
14	2,032,474.00	50,926.00	0.051	
15	2,083,400.00	48,297.00	0.048	
16	2,131,697.00	38,593.00	0.039	
17	2,170,290.00	39,489.00	0.039	
18	2,209,779.00	43,615.00	0.044	
19	2,253,394.00	37,927.00	0.038	
20	2,291,321.00	34,763.00	0.035	
21	2,326,084.00	56,757.00	0.057	
22	2,382,841.00	48,148.00	0.048	
23	2,430,989.00	42,494.00	0.042	
24	2,473,483.00	41,366.00	0.041	
25	2,514,849.00	39,502.00	0.040	
26	2,554,351.00	39,417.00	0.039	
27	2,593,768.00	39,806.00	0.040	
28	2,633,574.00	39,756.00	0.040	
29	2,673,330.00	39,282.00	0.039	
30	2,712,612.00	50,669.00	0.051	
31	2,763,281.00	22,978.00	0.023	SHUT DOWN
June 01	2,786,259.00			SHUT DOWN
		TOTAL	1.236	
		AVERAGE	0.040	

EFFLUENT FLOW FROM PLANT

YEAR: 2000

MONTH: May DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	3,999,179.00	14,567.00	29,134.00	0.029	
2	4,013,746.00	13,220.00	26,440.00	0.026	SHUT DOWN
3	4,026,966.00	12,924.00	25,848.00	0.026	
4	4,039,890.00	11,965.00	23,930.00	0.024	
5	4,051,855.00	13,508.00	27,016.00	0.027	SHUT DOWN
6	4,065,363.00	9,262.00	18,524.00	0.019	
7	4,074,625.00	18,362.00	36,724.00	0.037	
8	4,092,987.00	13,055.00	26,110.00	0.026	
9	4,106,042.00	14,732.00	29,464.00	0.029	
10	4,120,774.00	17,793.00	35,586.00	0.036	
11	4,138,567.00	16,624.00	33,248.00	0.033	
12	4,155,191.00	20,474.00	40,948.00	0.041	
13	4,175,665.00	10,912.00	21,824.00	0.022	
14	4,186,577.00	23,901.00	47,802.00	0.048	
15	4,210,478.00	15,884.00	31,768.00	0.032	
16	4,226,362.00	15,666.00	31,332.00	0.031	
17	4,242,028.00	16,299.00	32,598.00	0.033	
18	4,258,327.00	18,019.00	36,038.00	0.036	
19	4,276,346.00	16,637.00	33,274.00	0.033	
20	4,292,983.00	13,804.00	27,608.00	0.028	
21	4,306,787.00	23,887.00	47,774.00	0.048	
22	4,330,674.00	18,367.00	36,734.00	0.037	
23	4,349,041.00	16,501.00	33,002.00	0.033	
24	4,365,542.00	16,590.00	33,180.00	0.033	
25	4,382,132.00	15,831.00	31,662.00	0.032	
26	4,397,963.00	17,012.00	34,024.00	0.034	
27	4,414,975.00	15,526.00	31,052.00	0.031	
28	4,430,501.00	16,057.00	32,114.00	0.032	
29	4,446,558.00	18,703.00	37,406.00	0.037	
30	4,465,261.00	18,025.00	36,050.00	0.036	
31	4,483,286.00	7,423.00	14,846.00	0.015	SHUT DOWN
June 01	4,490,709.00				SHUT DOWN
			TOTAL	0.984	
			AVERAGE	0.032	

MONITOR WELL DEPTHS

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

MONITOR WELL DEPTHS

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

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20000324**
DATE REPORTED: 25-May-00
DATE RECEIVED: 09-May-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: 19526										
Client ID: **000508WA01P**								Collection: 5/8/2000	Time: 11:05	
								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	dmd	5/18/2000	*994128*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	dmd	5/10/2000	*994048*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	5/9/2000	*994039*	
Chromium, Total - ICAP	**1.6**	**mg/l**	**RJ**	0.008	0.03	200.7	dmd	5/10/2000	*994048*	
Copper- ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	dmd	5/10/2000	*994048*	
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	dmd	5/10/2000	*994048*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	dmd	5/9/2000	*994031*	
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	dmd	5/10/2000	*994048*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	5/11/2000	*994070*	
Nickel - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	dmd	5/10/2000	*994048*	
Selenium - Furnace AA	**17**	**ug/l**	**RJ**	4.8	15	270.2	dmd	5/17/2000	*994129*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd	5/10/2000	*994048*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	5/16/2000	*994122*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	dmd	5/10/2000	*994048*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	5/9/2000	*994123*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	5/24/2000	*994203*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	5/17/2000		
pH (water)	**7.7**	**s.u.**	**#**			150.1	JC	5/11/2000	*994073*	
Nova Sample Number: 19527										
Client ID: **000508WA09P**								Collection: 5/8/2000	Time: 11:17	
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	5/9/2000	*994123*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	dmd	5/17/2000	*994131*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	5/17/2000		
pH (water)	**7.6**	**s.u.**	**#**			150.1	JC	5/11/2000	*994073*	
Nova Sample Number: 19528										
Client ID: **000508WA02P**								Collection: 5/8/2000	Time: 11:10	
								Sample Description:		
pH (water)	**8.9**	**s.u.**	**#**			150.1	JC	5/11/2000	*994073*	
Nova Sample Number: 19529										
Client ID: **000508WA03P**								Collection: 5/8/2000	Time: 11:12	
								Sample Description:		

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000324
DATE REPORTED: 25-May-00
DATE RECEIVED: 09-May-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
pH (water)	**11**	**s.u.**	**#**			150.1	JC	5/11/2000	*994073*	
Nova Sample Number: 19530										
Client ID: **000508WA05P**								Collection: 5/8/2000		Time: 11:17
								Sample Description:		
pH (water)	**8.8**	**s.u.**	**#**			150.1	JC	5/11/2000	*994073*	
Nova Sample Number: 19534										
Client ID: **0005WA09R**								Collection: 5/8/2000		Time: 11:30
								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	dmd	5/18/2000	*994128*	
Barium - ICAP	**0.02**	**mg/l**	***J* RJ**	0.007	0.02	200.7	dmd	5/10/2000	*994048*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	5/9/2000	*994039*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	dmd	5/10/2000	*994048*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	dmd	5/10/2000	*994048*	
Iron - ICAP	**0.15**	**mg/l**	***J* RJ**	0.081	0.26	200.7	dmd	5/10/2000	*994048*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	dmd	5/9/2000	*994031*	
Manganese - ICAP	**0.005**	**mg/l**	***J* RJ**	0.006	0.02	200.7	dmd	5/10/2000	*994048*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	tm	5/11/2000	*994070*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	dmd	5/10/2000	*994048*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	dmd	5/17/2000	*994129*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd	5/10/2000	*994048*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	5/16/2000	*994122*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	dmd	5/10/2000	*994048*	

Approved By: _____ **Date:** 5/25/0

James Chang, Ph.D., Lab Director

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

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

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

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

WDNR# 241340550

BATCH NUMBER: **20000324**
DATE REPORTED: 10-May-00
DATE RECEIVED: 09-May-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
Sample Number: **19526**				QC Prep Batch Number: 9940045			*Sample analyzed within*	*1 Day(s) from collection.*		
Client ID: **000508WA01P** Sample Description:							*Collection: 5/8/2000*	*Time: 11:05*		
1,1,1,2-Tetrachloroethane	<2	ug/l	2	6.4	ns	10		8260	cps	5/9/2000
1,1,1-Trichloroethane	287	ug/l	2.3	7.3	40	10		8260	cps	5/9/2000
1,1,2,2-Tetrachloroethane	<2.9	ug/l	2.9	9.2	0.02	10		8260	cps	5/9/2000
1,1,2-Trichloroethane	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	5/9/2000
1,1-Dichloroethane	50	ug/l	1.5	4.8	85	10		8260	cps	5/9/2000
1,1-Dichloroethene	24	ug/l	3.6	11	0.7	10		8260	cps	5/9/2000
1,1-Dichloropropene	<4.9	ug/l	4.9	16	ns	10		8260	cps	5/9/2000
1,2,3-Trichlorobenzene	<2.2	ug/l	2.2	7	ns	10		8260	cps	5/9/2000
1,2,3-Trichloropropane	<6	ug/l	6	19	ns	10		8260	cps	5/9/2000
1,2,4-Trichlorobenzene	<1.6	ug/l	1.6	5.1	14	10		8260	cps	5/9/2000
1,2,4-Trimethylbenzene	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	5/9/2000
1,2-Dibromoethane	<2.4	ug/l	2.4	7.6	0.005	10		8260	cps	5/9/2000
1,2-Dichlorobenzene	<2	ug/l	2	6.4	60	10		8260	cps	5/9/2000
1,2-Dichloroethane	<1.9	ug/l	1.9	6	0.5	10		8260	cps	5/9/2000
1,2-Dichloropropane	<2.3	ug/l	2.3	7.3	0.5	10		8260	cps	5/9/2000
1,3,5-Trimethylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	5/9/2000
1,3-Dichlorobenzene	<1.9	ug/l	1.9	6	125	10		8260	cps	5/9/2000
1,3-Dichloropropane	<2.1	ug/l	2.1	6.7	ns	10		8260	cps	5/9/2000
1,4-Dichlorobenzene	<1.5	ug/l	1.5	4.8	15	10		8260	cps	5/9/2000
12Dibromo-3-chloropropan	<5.9	ug/l	5.9	19	0.02	10		8260	cps	5/9/2000
2,2-Dichloropropane	<4	ug/l	4	13	ns	10		8260	cps	5/9/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	5/9/2000
2-Chloroethyl Vinyl Ether	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	5/9/2000
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	ns	10		8260	cps	5/9/2000
4-Chlorotoluene	<2.5	ug/l	2.5	8	ns	10		8260	cps	5/9/2000
4-Methyl-2-Pentanone	<8.4	ug/l	8.4	27	50	10		8260	cps	5/9/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	5/9/2000
Benzene	<1.9	ug/l	1.9	6	0.5	10		8260	cps	5/9/2000
Bromobenzene	<1.9	ug/l	1.9	6	ns	10		8260	cps	5/9/2000
Bromochloromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	5/9/2000
Bromodichloromethane	<2.6	ug/l	2.6	8.3	0.06	10		8260	cps	5/9/2000
Bromoform	<4.7	ug/l	4.7	15	0.44	10		8260	cps	5/9/2000
Bromomethane	<2.1	ug/l	2.1	6.7	1	10		8260	cps	5/9/2000
Carbon tetrachloride	<2.2	ug/l	2.2	7	0.5	10		8260	cps	5/9/2000
Chlorobenzene	<2	ug/l	2	6.4	20	10		8260	cps	5/9/2000
Chloroethane	<12	ug/l	12	37	80	10		8260	cps	5/9/2000
Chloroform	<2.7	ug/l	2.7	8.6	0.6	10		8260	cps	5/9/2000
Chloromethane	<7.7	ug/l	7.7	24	0.3	10		8260	cps	5/9/2000
cis-1,2-Dichloroethene	63	ug/l	2	6.4	7	10		8260	cps	5/9/2000
cis-1,3-Dichloropropene	<2.4	ug/l	2.4	7.6	0.02	10		8260	cps	5/9/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000324**
DATE REPORTED: 10-May-00
DATE RECEIVED: 09-May-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	5/9/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	5/9/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	5/9/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	5/9/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	5/9/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	5/9/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	5/9/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	5/9/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	5/9/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	5/9/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	5/9/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	5/9/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	5/9/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	5/9/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	5/9/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	5/9/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	5/9/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	5/9/2000
Tetrachloroethene	5.2	ug/l	2.9	9.2	0.5	10	J	8260	cps	5/9/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	5/9/2000
trans-1,2-Dichloroethene	19	ug/l	1.6	5.1	20	10		8260	cps	5/9/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	5/9/2000
Trichloroethene	639	ug/l	1.6	5.1	0.5	10		8260	cps	5/9/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	5/9/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	5/9/2000

Sample Number: **19527** QC Prep Batch Number: 994045 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000508WA09P** Sample Description: *Collection: 5/8/2000 Time: 11:17*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/9/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	5/9/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/9/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/9/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	5/9/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/9/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/9/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/9/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/9/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	5/9/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/9/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/9/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	5/9/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/9/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000324**
DATE REPORTED: 10-May-00
DATE RECEIVED: 09-May-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	5/9/2000
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/9/2000
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	5/9/2000
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/9/2000
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	5/9/2000
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/9/2000
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/9/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	5/9/2000
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/9/2000
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/9/2000
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/9/2000
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	5/9/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	5/9/2000
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/9/2000
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/9/2000
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/9/2000
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/9/2000
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/9/2000
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	5/9/2000
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/9/2000
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	5/9/2000
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	5/9/2000
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/9/2000
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/9/2000
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	5/9/2000
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/9/2000
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	5/9/2000
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/9/2000
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	5/9/2000
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	5/9/2000
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/9/2000
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	5/9/2000
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/9/2000
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	5/9/2000
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	5/9/2000
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/9/2000
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/9/2000
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/9/2000
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	5/9/2000
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	5/9/2000
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/9/2000
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/9/2000
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	5/9/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000324**
DATE REPORTED: 10-May-00
DATE RECEIVED: 09-May-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	5/9/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/9/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/9/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/9/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/9/2000
Trichloroethene	0.41	ug/l	0.16	0.51	0.5	1	*J*	8260	cps	5/9/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/9/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/9/2000

Sample Number: **19531** QC Prep Batch Number: 994045 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000508WA07P** Sample Description: *Collection: 5/8/2000 Time: 11:20*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/9/2000
1,1,1-Trichloroethane	1.1	ug/l	0.23	0.73	40	1		8260	cps	5/9/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/9/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/9/2000
1,1-Dichloroethane	0.64	ug/l	0.15	0.48	85	1		8260	cps	5/9/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/9/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/9/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/9/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/9/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/9/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/9/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/9/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/9/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/9/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/9/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/9/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/9/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/9/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/9/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/9/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/9/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/9/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/9/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/9/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/9/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/9/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/9/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/9/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/9/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/9/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/9/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000324**
DATE REPORTED: 10-May-00
DATE RECEIVED: 09-May-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	5/9/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/9/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/9/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/9/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/9/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/9/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/9/2000
cis-1,2-Dichloroethene	0.89	ug/l	0.2	0.64	7	1		8260	cps	5/9/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/9/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/9/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/9/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/9/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/9/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/9/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/9/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/9/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/9/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/9/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/9/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/9/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/9/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/9/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/9/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/9/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/9/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/9/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/9/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/9/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/9/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/9/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/9/2000
Trichloroethene	4.5	ug/l	0.16	0.51	0.5	1		8260	cps	5/9/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/9/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/9/2000

Sample Number: **19532** QC Prep Batch Number: 994045 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 5/8/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/9/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	5/9/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/9/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/9/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	5/9/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000324**
DATE REPORTED: 10-May-00
DATE RECEIVED: 09-May-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	5/9/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/9/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/9/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/9/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/9/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/9/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/9/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/9/2000
1,2-Dichloroethane	1	ug/l	0.19	0.6	0.5	1		8260	cps	5/9/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/9/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/9/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/9/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/9/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/9/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/9/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/9/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/9/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/9/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/9/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/9/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/9/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/9/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/9/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/9/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/9/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/9/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/9/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/9/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/9/2000
Chlorobenzene	0.63	ug/l	0.2	0.64	20	1	J	8260	cps	5/9/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/9/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/9/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/9/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/9/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/9/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/9/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/9/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/9/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/9/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/9/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/9/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/9/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/9/2000

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

WDNR# 241340550

BATCH NUMBER: **20000324**
DATE REPORTED: 10-May-00
DATE RECEIVED: 09-May-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	5/9/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/9/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/9/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/9/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/9/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/9/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/9/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/9/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/9/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/9/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/9/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/9/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/9/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/9/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	5/9/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/9/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/9/2000

Sample Number: **19533** QC Prep Batch Number: 994045 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000508WA08P** Sample Description: *Collection: 5/8/2000 Time: 11:23*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/9/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	5/9/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/9/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/9/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	5/9/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/9/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/9/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/9/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/9/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/9/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/9/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/9/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/9/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/9/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/9/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/9/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/9/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/9/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/9/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/9/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/9/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/9/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000324**
DATE REPORTED: 10-May-00
DATE RECEIVED: 09-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/9/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/9/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/9/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/9/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/9/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/9/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/9/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/9/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/9/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/9/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/9/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/9/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/9/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/9/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/9/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/9/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/9/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/9/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/9/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/9/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/9/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/9/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/9/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/9/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/9/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/9/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/9/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/9/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/9/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/9/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/9/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/9/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/9/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/9/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/9/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/9/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/9/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/9/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/9/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/9/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	5/9/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/9/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/9/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000324**
DATE REPORTED:	10-May-00
DATE RECEIVED:	09-May-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 5/25/00

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.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000296**
DATE REPORTED: 05-May-00
DATE RECEIVED: 01-May-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
Sample Number: 19390			QC Prep Batch Number:	993950			*Sample analyzed within*	*1 Day(s) from collection.*		
Client ID: 000501WA01P	Sample Description:						*Collection:*	*5/1/2000*	*Time:*	*11:15*
1,1,1,2-Tetrachloroethane	<2	ug/l	2	6.4	ns	10		8260	cps	5/2/2000
1,1,1-Trichloroethane	220	ug/l	2.3	7.3	40	10		8260	cps	5/2/2000
1,1,2,2-Tetrachloroethane	<2.9	ug/l	2.9	9.2	0.02	10		8260	cps	5/2/2000
1,1,2-Trichloroethane	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	5/2/2000
1,1-Dichloroethane	46	ug/l	1.5	4.8	85	10		8260	cps	5/2/2000
1,1-Dichloroethene	19	ug/l	3.6	11	0.7	10		8260	cps	5/2/2000
1,1-Dichloropropene	<4.9	ug/l	4.9	16	ns	10		8260	cps	5/2/2000
1,2,3-Trichlorobenzene	<2.2	ug/l	2.2	7	ns	10		8260	cps	5/2/2000
1,2,3-Trichloropropane	<6	ug/l	6	19	ns	10		8260	cps	5/2/2000
1,2,4-Trichlorobenzene	<1.6	ug/l	1.6	5.1	14	10		8260	cps	5/2/2000
1,2,4-Trimethylbenzene	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	5/2/2000
1,2-Dibromoethane	<2.4	ug/l	2.4	7.6	0.005	10		8260	cps	5/2/2000
1,2-Dichlorobenzene	<2	ug/l	2	6.4	60	10		8260	cps	5/2/2000
1,2-Dichloroethane	<1.9	ug/l	1.9	6	0.5	10		8260	cps	5/2/2000
1,2-Dichloropropane	<2.3	ug/l	2.3	7.3	0.5	10		8260	cps	5/2/2000
1,3,5-Trimethylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	5/2/2000
1,3-Dichlorobenzene	<1.9	ug/l	1.9	6	125	10		8260	cps	5/2/2000
1,3-Dichloropropane	<2.1	ug/l	2.1	6.7	ns	10		8260	cps	5/2/2000
1,4-Dichlorobenzene	<1.5	ug/l	1.5	4.8	15	10		8260	cps	5/2/2000
12Dibromo-3-chloropropan	<5.9	ug/l	5.9	19	0.02	10		8260	cps	5/2/2000
2,2-Dichloropropane	<4	ug/l	4	13	ns	10		8260	cps	5/2/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	5/2/2000
2-Chloroethyl Vinyl Ether	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	5/2/2000
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	ns	10		8260	cps	5/2/2000
4-Chlorotoluene	<2.5	ug/l	2.5	8	ns	10		8260	cps	5/2/2000
4-Methyl-2-Pentanone	<8.4	ug/l	8.4	27	50	10		8260	cps	5/2/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	5/2/2000
Benzene	<1.9	ug/l	1.9	6	0.5	10		8260	cps	5/2/2000
Bromobenzene	<1.9	ug/l	1.9	6	ns	10		8260	cps	5/2/2000
Bromochloromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	5/2/2000
Bromodichloromethane	<2.6	ug/l	2.6	8.3	0.06	10		8260	cps	5/2/2000
Bromoform	<4.7	ug/l	4.7	15	0.44	10		8260	cps	5/2/2000
Bromomethane	<2.1	ug/l	2.1	6.7	1	10		8260	cps	5/2/2000
Carbon tetrachloride	<2.2	ug/l	2.2	7	0.5	10		8260	cps	5/2/2000
Chlorobenzene	<2	ug/l	2	6.4	20	10		8260	cps	5/2/2000
Chloroethane	<12	ug/l	12	37	80	10		8260	cps	5/2/2000
Chloroform	<2.7	ug/l	2.7	8.6	0.6	10		8260	cps	5/2/2000
Chloromethane	<7.7	ug/l	7.7	24	0.3	10		8260	cps	5/2/2000
cis-1,2-Dichloroethene	60	ug/l	2	6.4	7	10		8260	cps	5/2/2000
cis-1,3-Dichloropropene	<2.4	ug/l	2.4	7.6	0.02	10		8260	cps	5/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000296**
DATE REPORTED: 05-May-00
DATE RECEIVED: 01-May-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	5/2/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	5/2/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	5/2/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	5/2/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	5/2/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	5/2/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	5/2/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	5/2/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	5/2/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	5/2/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	5/2/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	5/2/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	5/2/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	5/2/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	5/2/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	5/2/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	5/2/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	5/2/2000
Tetrachloroethene	6.4	ug/l	2.9	9.2	0.5	10	J	8260	cps	5/2/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	5/2/2000
trans-1,2-Dichloroethene	18	ug/l	1.6	5.1	20	10		8260	cps	5/2/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	5/2/2000
Trichloroethene	584	ug/l	1.6	5.1	0.5	10		8260	cps	5/2/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	5/2/2000
Vinyl chloride	2.1	ug/l	2.1	6.7	0.02	10		8260	cps	5/2/2000

Sample Number: **19395** QC Prep Batch Number: 993950 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000501WA07P** Sample Description: *Collection: 5/1/2000 Time: 11:27*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/2/2000
1,1,1-Trichloroethane	4	ug/l	0.23	0.73	40	1		8260	cps	5/2/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/2/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/2/2000
1,1-Dichloroethane	1.6	ug/l	0.15	0.48	85	1		8260	cps	5/2/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/2/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/2/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/2/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/2/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	5/2/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/2/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/2/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	5/2/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/2/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000296**
DATE REPORTED: 05-May-00
DATE RECEIVED: 01-May-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	5/2/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/2/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/2/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/2/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/2/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/2/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/2/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/2/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/2/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/2/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/2/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/2/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/2/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/2/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/2/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/2/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/2/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/2/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/2/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/2/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/2/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/2/2000
Chloroform	0.29	ug/l	0.27	0.86	0.6	1	J	8260	cps	5/2/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/2/2000
cis-1,2-Dichloroethene	2.2	ug/l	0.2	0.64	7	1		8260	cps	5/2/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/2/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/2/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/2/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/2/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/2/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/2/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/2/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/2/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/2/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/2/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/2/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/2/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/2/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/2/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/2/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/2/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/2/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/2/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000296**
DATE REPORTED: 05-May-00
DATE RECEIVED: 01-May-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	5/2/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/2/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/2/2000
trans-1,2-Dichloroethene	0.42	ug/l	0.16	0.51	20	1	J	8260	cps	5/2/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/2/2000
Trichloroethene	14	ug/l	0.16	0.51	0.5	1		8260	cps	5/2/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/2/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/2/2000

Sample Number: **19396** QC Prep Batch Number: 993950 *Sample analyzed within* 1 *Day(s) from collection.*
Client ID: **000501WA07Q** Sample Description: *Collection:* 5/1/2000 *Time:* 11:30

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/2/2000
1,1,1-Trichloroethane	2.4	ug/l	0.23	0.73	40	1		8260	cps	5/2/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/2/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/2/2000
1,1-Dichloroethane	1	ug/l	0.15	0.48	85	1		8260	cps	5/2/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/2/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/2/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/2/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/2/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/2/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/2/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/2/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/2/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/2/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/2/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/2/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/2/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/2/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/2/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/2/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/2/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/2/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/2/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/2/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/2/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/2/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/2/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/2/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/2/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/2/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/2/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000296**
DATE REPORTED: 05-May-00
DATE RECEIVED: 01-May-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	5/2/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/2/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/2/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/2/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/2/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/2/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/2/2000
cis-1,2-Dichloroethene	1.5	ug/l	0.2	0.64	7	1		8260	cps	5/2/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/2/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/2/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/2/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/2/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/2/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/2/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/2/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/2/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/2/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/2/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/2/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/2/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/2/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/2/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/2/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/2/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/2/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/2/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/2/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/2/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/2/2000
trans-1,2-Dichloroethene	0.25	ug/l	0.16	0.51	20	1	J	8260	cps	5/2/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/2/2000
Trichloroethene	8.5	ug/l	0.16	0.51	0.5	1		8260	cps	5/2/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/2/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/2/2000

Sample Number: **19397** QC Prep Batch Number: 993979 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 5/1/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1	8260	cps	5/3/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1	8260	cps	5/3/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1	8260	cps	5/3/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1	8260	cps	5/3/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1	8260	cps	5/3/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000296**
DATE REPORTED: 05-May-00
DATE RECEIVED: 01-May-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	5/3/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/3/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/3/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/3/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/3/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/3/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/3/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/3/2000
1,2-Dichloroethane	0.61	ug/l	0.19	0.6	0.5	1		8260	cps	5/3/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/3/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/3/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/3/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/3/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/3/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/3/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/3/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/3/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/3/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/3/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/3/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/3/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/3/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/3/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/3/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/3/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/3/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/3/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/3/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/3/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/3/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/3/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/3/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/3/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/3/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/3/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/3/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/3/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/3/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/3/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/3/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/3/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/3/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/3/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000296**
DATE REPORTED: 05-May-00
DATE RECEIVED: 01-May-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	5/3/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/3/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/3/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/3/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/3/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/3/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/3/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/3/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/3/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/3/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/3/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/3/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/3/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/3/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	5/3/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/3/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/3/2000

Sample Number: **19398** QC Prep Batch Number: 993979 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000501WA09P** Sample Description: *Collection: 5/1/2000 Time: 11:45*

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000296**
DATE REPORTED: 05-May-00
DATE RECEIVED: 01-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/3/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/3/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/3/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/3/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/3/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/3/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/3/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/3/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/3/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/3/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/3/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/3/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/3/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/3/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/3/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/3/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/3/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/3/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/3/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/3/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/3/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/3/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/3/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/3/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/3/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/3/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/3/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/3/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/3/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/3/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/3/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/3/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/3/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/3/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/3/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/3/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/3/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/3/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/3/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/3/2000
Trichloroethene	0.47	ug/l	0.16	0.51	0.5	1	J	8260	cps	5/3/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/3/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/3/2000

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

WDNR# 241340550

BATCH NUMBER:	**20000296**
DATE REPORTED:	05-May-00
DATE RECEIVED:	01-May-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** ____/____/____

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 20000296
DATE REPORTED: 22-May-00
DATE RECEIVED: 01-May-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 19390
Client ID: **000501WA01P**
Collection: 5/1/2000 Time: 11:15
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		5.6	18	206.2	tn	5/8/2000	994018	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	dmd	5/10/2000	994048	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	tm	5/9/2000	994039	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	dmd	5/10/2000	994048	
Copper- ICAP	<0.008	mg/l	RJ	0.006	0.02	200.7	dmd	5/10/2000	994048	
Iron - ICAP	1.5	mg/l	RJ	0.081	0.26	200.7	dmd	5/10/2000	994048	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	dmd	5/9/2000	994031	
Manganese - ICAP	0.14	mg/l	RJ	0.006	0.02	200.7	dmd	5/10/2000	994048	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	5/4/2000	993980	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	dmd	5/10/2000	994048	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	5/2/2000	993947	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	dmd	5/10/2000	994048	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	tm	5/2/2000	993946	
Zinc - ICAP	0.06	mg/l	RJ	0.014	0.04	200.7	dmd	5/10/2000	994048	
Chromium, Hexavalent	<0.042	mg/l		0.004	0.01	SM 3500	128053	5/2/2000	994050	
COD. Total	12	mg/l	J	7.3	23	410.4-CT	128053	5/10/2000	994116	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	5/4/2000	993973	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	5/4/2000	993969	
pH (water)	7.3	s.u.	#			150.1	jc	5/1/2000	994016	
Solids, Total Suspended	<1.0	mg/l		1	3.2	SM 2540	tm	5/11/2000	994075	

Nova Sample Number: 19391
Client ID: **000501WA09R**
Collection: 5/1/2000 Time: 11:35
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l		5.6	18	206.2	tn	5/8/2000	994018	
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	dmd	5/10/2000	994048	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	tm	5/9/2000	994039	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	dmd	5/10/2000	994048	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	dmd	5/10/2000	994048	
Iron - ICAP	0.2	mg/l	J RJ	0.081	0.26	200.7	dmd	5/10/2000	994048	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	dmd	5/9/2000	994031	
Manganese - ICAP	0.004	mg/l	J RJ	0.006	0.02	200.7	dmd	5/10/2000	994048	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	5/4/2000	993980	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000296
DATE REPORTED: 22-May-00
DATE RECEIVED: 01-May-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
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	dmd	5/10/2000	*994048*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	rf	5/2/2000	*993947*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd	5/10/2000	*994048*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	5/2/2000	*993946*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	dmd	5/10/2000	*994048*	
COD. Total	**<7.3**	**mg/l**		7.3	23	410.4-CT	128053	5/10/2000	*994116*	
Nitrate + Nitrite Nitrogen	**2.2**	**mg/l**		0.03	0.10	353.3	dmd	5/12/2000	*994085*	
Nitrogen, Ammonia	**<0.1**	**mg/l**		0.1	0.32	350.1	128053	5/15/2000	*994117*	
Phosphorus, Total	**0.2**	**mg/l**	***J***	0.1	0.32	365.2	128053	5/10/2000	*994118*	
Solids, Total Suspended	**<1.0**	**mg/l**		1	3.2	SM 2540	tm	5/11/2000	*994075*	

Nova Sample Number: 19392
Client ID: **000501WA02P**
Collection: 5/1/2000 Time: 11:20
Sample Description:

pH (water)	**9.7**	**s.u.**	**#**			150.1	jc	5/1/2000	*994016*	

Nova Sample Number: 19393
Client ID: **000501WA03P**
Collection: 5/1/2000 Time: 11:22
Sample Description:

pH (water)	**11**	**s.u.**	**#**			150.1	jc	5/1/2000	*994016*	

Nova Sample Number: 19394
Client ID: **000501WA05P**
Collection: 5/1/2000 Time: 11:25
Sample Description:

pH (water)	**8.4**	**s.u.**	**#**			150.1	jc	5/1/2000	*994016*	

Nova Sample Number: 19398
Client ID: **000501WA09P**
Collection: 5/1/2000 Time: 11:45
Sample Description:

Chromium, Hexavalent	**<0.042**	**mg/l**		0.004	0.01	SM 3500	128053	5/2/2000	*994050*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	5/4/2000	*993973*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	5/4/2000	*993969*	
pH (water)	**7.7**	**s.u.**	**#**			150.1	jc	5/1/2000	*994016*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000296**
DATE REPORTED:	22-May-00
DATE RECEIVED:	01-May-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 5/22/0

James Chang, Ph.D., Lab Director

RJ *Result expressed as Total.*

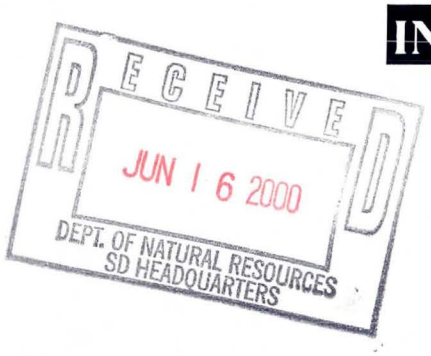
TTR *Result expressed as total and total recoverable.*

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

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

APL INC.

INORGANIC REPORT



WDNR# 241340550

INVOICE NUMBER	**20000312**
DATE REPORTED:	22-May-00
DATE RECEIVED:	03-May-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Sludge
PROJECT NAME:	OGTP

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

Nova Sample Number: 19441
Client ID: **000502SC13P**

Collection: 5/2/2000 Time: 11:00
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Total - ICAP	**<0.008**	**mg/l**		**TC**	0.008	0.03	200.7	dmd	5/10/2000	*994049*	
Copper- ICAP	**0.007**	**mg/l**	*J*	**TC**	0.006	0.02	200.7	dmd	5/10/2000	*994049*	
Lead - ICAP	**<0.049**	**mg/l**		**TC**	0.049	0.16	200.7	dmd	5/10/2000	*994049*	
Nickel - ICAP	**<0.011**	**mg/l**		**TC**	0.011	0.03	200.7	dmd	5/10/2000	*994049*	
Silver - ICAP	**<0.004**	**mg/l**		**TC**	0.004	0.01	200.7	dmd	5/10/2000	*994049*	
Cyanide, Total	**2.2**	**mg/kg**			0.048	0.15	335.2	dmd	5/17/2000	*994126*	
Free Liquids (paint filter test)	**Pass**			#			9095	dmd	5/8/2000	*994008*	
pH (Solids)	**10**	**s.u.**		#			9045	tm	5/8/2000	*994022*	
Specific Gravity	**1**	**s.u.**		#			SM 2710	tn	5/11/2000	*994074*	
TCLP extraction	**done**			#			1311	dmd	5/10/2000	*994051*	

Approved By: _____ **Date:** 5/22/0

James Chang, Ph.D. , Lab Director

TC *Result is expressed as concentration of TCLP extract.*

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000343**
DATE REPORTED: 23-May-00
DATE RECEIVED: 16-May-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
Sample Number: **19608**		QC Prep Batch Number:	994194		*Sample analyzed within*	*4*	*Day(s) from collection.*			
Client ID: **000515WA01P**	Sample Description:				*Collection:*	*5/15/2000*	*Time:*	*10:05*		
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	5/19/2000
1,1,1-Trichloroethane	186	ug/l	2.3	7.3	40	10		8260	cps	5/19/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	5/19/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	5/19/2000
1,1-Dichloroethane	36	ug/l	1.5	4.8	85	10		8260	cps	5/19/2000
1,1-Dichloroethene	16	ug/l	3.6	11	0.7	10		8260	cps	5/19/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	5/19/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	5/19/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	5/19/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	5/19/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	5/19/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	5/19/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	5/19/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	5/19/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	5/19/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	5/19/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	5/19/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	5/19/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	5/19/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	5/19/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	5/19/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	5/19/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	5/19/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	5/19/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	5/19/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	5/19/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	5/19/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	5/19/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	5/19/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	5/19/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	5/19/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	5/19/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	5/19/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	5/19/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	5/19/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	5/19/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	5/19/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	5/19/2000
cis-1,2-Dichloroethene	51	ug/l	2	6.4	7	10		8260	cps	5/19/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	5/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000343**
DATE REPORTED: 23-May-00
DATE RECEIVED: 16-May-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	5/19/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	5/19/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	5/19/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	5/19/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	5/19/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	5/19/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	5/19/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	5/19/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	5/19/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	5/19/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	5/19/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	5/19/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	5/19/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	5/19/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	5/19/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	5/19/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	5/19/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	5/19/2000
Tetrachloroethene	6.3	ug/l	2.9	9.2	0.5	10	J	8260	cps	5/19/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	5/19/2000
trans-1,2-Dichloroethene	16	ug/l	1.6	5.1	20	10		8260	cps	5/19/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	5/19/2000
Trichloroethene	529	ug/l	1.6	5.1	0.5	10		8260	cps	5/19/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	5/19/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	5/19/2000

Sample Number: **19613** QC Prep Batch Number: 994194 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000515WA07P** Sample Description: *Collection: 5/15/2000 Time: 10:10*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/19/2000
1,1,1-Trichloroethane	0.58	ug/l	0.23	0.73	40	1	J	8260	cps	5/19/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/19/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/19/2000
1,1-Dichloroethane	0.33	ug/l	0.15	0.48	85	1	J	8260	cps	5/19/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/19/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/19/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/19/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/19/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	5/19/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/19/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/19/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	5/19/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/19/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000343**
DATE REPORTED: 23-May-00
DATE RECEIVED: 16-May-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	5/19/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/19/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/19/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/19/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/19/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/19/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/19/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/19/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/19/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/19/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/19/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/19/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/19/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/19/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/19/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/19/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/19/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/19/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/19/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/19/2000
Chloroform	0.3	ug/l	0.27	0.86	0.6	1	J	8260	cps	5/19/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/19/2000
cis-1,2-Dichloroethene	0.5	ug/l	0.2	0.64	7	1	J	8260	cps	5/19/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/19/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/19/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/19/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/19/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/19/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/19/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/19/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/19/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/19/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/19/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/19/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/19/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/19/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/19/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/19/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/19/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/19/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000343**
DATE REPORTED: 23-May-00
DATE RECEIVED: 16-May-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	5/19/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/19/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/19/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/19/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/19/2000
Trichloroethene	2.6	ug/l	0.16	0.51	0.5	1		8260	cps	5/19/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/19/2000

Sample Number: **19614** QC Prep Batch Number: 994194 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000515WA08P** Sample Description: *Collection: 5/15/2000 Time: 10:12*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/19/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	5/19/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/19/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/19/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	5/19/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/19/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/19/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/19/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/19/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/19/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/19/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/19/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/19/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/19/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/19/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/19/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/19/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/19/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/19/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/19/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/19/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/19/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/19/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/19/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/19/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/19/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/19/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/19/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/19/2000

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

WDNR# 241340550

BATCH NUMBER: **20000343**
DATE REPORTED: 23-May-00
DATE RECEIVED: 16-May-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	5/19/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/19/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/19/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/19/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/19/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/19/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/19/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/19/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/19/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/19/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/19/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/19/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/19/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/19/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/19/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/19/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/19/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/19/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/19/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/19/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/19/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/19/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/19/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/19/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/19/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/19/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/19/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/19/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/19/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/19/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/19/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	5/19/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/19/2000

Sample Number: **19615** QC Prep Batch Number: 994194 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 5/15/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/19/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	5/19/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/19/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/19/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	5/19/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000343**
DATE REPORTED: 23-May-00
DATE RECEIVED: 16-May-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	5/19/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/19/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/19/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/19/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/19/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/19/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/19/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/19/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/19/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/19/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/19/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/19/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/19/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/19/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/19/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/19/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/19/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/19/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/19/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/19/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/19/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/19/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/19/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/19/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/19/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/19/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/19/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/19/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/19/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/19/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/19/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/19/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/19/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/19/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/19/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/19/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/19/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/19/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/19/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/19/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/19/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000343**
DATE REPORTED: 23-May-00
DATE RECEIVED: 16-May-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	5/19/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/19/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/19/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/19/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/19/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/19/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/19/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/19/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/19/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/19/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/19/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/19/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/19/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/19/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	5/19/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/19/2000

Sample Number: **19616** QC Prep Batch Number: 994194 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **000515WA09P** Sample Description: *Collection: 5/15/2000 Time: 09:50*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/19/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	5/19/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/19/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/19/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	5/19/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/19/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/19/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/19/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/19/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/19/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/19/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/19/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/19/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/19/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/19/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/19/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/19/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/19/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/19/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/19/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/19/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000343**
DATE REPORTED: 23-May-00
DATE RECEIVED: 16-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/19/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/19/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/19/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/19/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/19/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/19/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/19/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/19/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/19/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/19/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/19/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/19/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/19/2000
Chloroform	0.63	ug/l	0.27	0.86	0.6	1	J	8260	cps	5/19/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/19/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/19/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/19/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/19/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/19/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/19/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/19/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/19/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/19/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/19/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/19/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/19/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/19/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/19/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/19/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/19/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/19/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/19/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/19/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/19/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/19/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/19/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/19/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/19/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/19/2000
Trichloroethene	0.38	ug/l	0.16	0.51	0.5	1	J	8260	cps	5/19/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/19/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000343**
DATE REPORTED:	23-May-00
DATE RECEIVED:	16-May-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 5/25/00

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.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000343
DATE REPORTED: 25-May-00
DATE RECEIVED: 16-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 19608
Client ID: **000515WA01P**
Collection: 5/15/2000 Time: 10:05
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	dmd	5/18/2000	994128	
Barium - ICAP	0.11	mg/l		0.007	0.02	200.7	tm	5/23/2000	994189	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	5/23/2000	994196	
Chromium, Total - ICAP	0.01	mg/l	J	0.008	0.03	200.7	tm	5/23/2000	994189	
Copper- ICAP	0.01	mg/l	J	0.006	0.02	200.7	tm	5/23/2000	994189	
Iron - ICAP	3.6	mg/l		0.081	0.26	200.7	tm	5/23/2000	994189	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	5/17/2000	994130	
Manganese - ICAP	0.15	mg/l		0.006	0.02	200.7	tm	5/23/2000	994189	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	5/22/2000	994179	
Nickel - ICAP	0.03	mg/l	J	0.011	0.03	200.7	tm	5/23/2000	994189	
Selenium - Furnace AA	9.6	ug/l	J RJ	4.8	15	270.2	dmd	5/17/2000	994129	
Silver - ICAP	<0.004	mg/l		0.004	0.01	200.7	tm	5/23/2000	994189	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	tm	5/16/2000	994122	
Zinc - ICAP	0.03	mg/l	J	0.014	0.04	200.7	tm	5/23/2000	994189	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	12805	5/16/2000	994170	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	5/24/2000	994203	
Cyanide, Total	0.03	mg/l		0.006	0.02	335.2	dmd	5/17/2000		
pH (water)	7.3	s.u.	#			150.1	jc	5/16/2000	994153	

Nova Sample Number: 19609
Client ID: **000515WA09R**
Collection: 5/15/2000 Time: 10:15
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	dmd	5/18/2000	994128	
Barium - ICAP	0.02	mg/l	J	0.007	0.02	200.7	tm	5/23/2000	994189	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	5/23/2000	994196	
Chromium, Total - ICAP	<0.008	mg/l		0.008	0.03	200.7	tm	5/23/2000	994189	
Copper- ICAP	0.007	mg/l	J	0.006	0.02	200.7	tm	5/23/2000	994189	
Iron - ICAP	<0.081	mg/l		0.081	0.26	200.7	tm	5/23/2000	994189	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	5/17/2000	994130	
Manganese - ICAP	<0.006	mg/l		0.006	0.02	200.7	tm	5/23/2000	994189	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	5/22/2000	994179	
Nickel - ICAP	0.01	mg/l	J	0.011	0.03	200.7	tm	5/23/2000	994189	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	dmd	5/17/2000	994129	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000343
DATE REPORTED: 25-May-00
DATE RECEIVED: 16-May-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**	*J*	0.004	0.01	200.7	tm	5/23/2000	*994189*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	5/16/2000	*994122*	
Zinc - ICAP	**0.03**	**mg/l**	*J*	0.014	0.04	200.7	tm	5/23/2000	*994189*	
Nova Sample Number: 19610										
Client ID: **000515WA02P**								Collection: 5/15/2000		Time: 09:55
								Sample Description:		
pH (water)	**9.5**	**s.u.**	#			150.1	jc	5/16/2000	*994153*	
Nova Sample Number: 19611										
Client ID: **000515WA03P**								Collection: 5/15/2000		Time: 09:57
								Sample Description:		
pH (water)	**11**	**s.u.**	#			150.1	jc	5/16/2000	*994153*	
Nova Sample Number: 19612										
Client ID: **000515WA05P**								Collection: 5/15/2000		Time: 10:07
								Sample Description:		
pH (water)	**7.1**	**s.u.**	#			150.1	jc	5/16/2000	*994153*	
Nova Sample Number: 19616										
Client ID: **000515WA09P**								Collection: 5/15/2000		Time: 09:50
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	5/16/2000	*994170*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	dmd	5/17/2000	*994131*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	5/17/2000		
pH (water)	**7.5**	**s.u.**	#			150.1	jc	5/16/2000	*994153*	

Approved By: _____ **Date:** 5/25/00
James Chang, Ph.D., Lab Director

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

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

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

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20000272**
DATE REPORTED: 08-May-00
DATE RECEIVED: 24-Apr-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Nova Sample Number: 19300
Client ID: **000424WA01P**
Collection: 4/24/2000 Time: 09:55
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	dmd	4/26/2000	993896	
Barium - ICAP	0.12	mg/l		RJ	0.007	0.02	200.7	dmd	4/26/2000	993897	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	4/25/2000	993889	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	4/26/2000	993897	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	4/26/2000	993897	
Iron - ICAP	1.1	mg/l		RJ	0.081	0.26	200.7	dmd	4/26/2000	993897	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	dmd	4/25/2000	993891	
Manganese - ICAP	0.17	mg/l		RJ	0.006	0.02	200.7	dmd	4/26/2000	993897	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	4/26/2000	993899	
Nickel - ICAP	0.03	mg/l	J	RJ	0.011	0.03	200.7	dmd	4/26/2000	993897	
Selenium - Furnace AA	8.2	ug/l	J	RJ	4.8	15	270.2	rf	5/2/2000	993947	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	dmd	4/26/2000	993897	
Thallium - Furnace AA	<1.7	ug/l		RJ	1.7	5.4	279.2	tm	5/2/2000	993946	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	dmd	4/26/2000	993897	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	4/25/2000	993912	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	dmd	5/4/2000	993973	
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	dmd	5/4/2000	993969	
pH (water)	8	s.u.	#				150.1	jc	4/24/2000	993883	

Nova Sample Number: 19301
Client ID: **000424WA02P**
Collection: 4/24/2000 Time: 09:57
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	9.9	s.u.	#				150.1	jc	4/24/2000	993883	

Nova Sample Number: 19302
Client ID: **000424WA03P**
Collection: 4/24/2000 Time: 10:00
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	11	s.u.	#				150.1	jc	4/24/2000	993883	

Nova Sample Number: 19303
Client ID: **000424WA05P**
Collection: 4/24/2000 Time: 10:10
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	8.1	s.u.	#				150.1	jc	4/24/2000	993883	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000272
DATE REPORTED: 08-May-00
DATE RECEIVED: 24-Apr-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
Nova Sample Number: 19305										
Client ID: 000424WA09P								Collection: 4/24/2000	Time: 10:20	
								Sample Description:		
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	4/25/2000	*993912*	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	5/4/2000	*993973*	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	5/4/2000	*993969*	
pH (water)	7.8	s.u.	#			150.1	jc	4/24/2000	*993883*	
Nova Sample Number: 19306										
Client ID: 000424WA09R								Collection: 4/24/2000	Time: 10:15	
								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	dmd	4/26/2000	*993896*	
Barium - ICAP	0.02	mg/l	*J* RJ	0.007	0.02	200.7	dmd	4/26/2000	*993897*	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	4/25/2000	*993889*	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	dmd	4/26/2000	*993897*	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	dmd	4/26/2000	*993897*	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	dmd	4/26/2000	*993897*	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	dmd	4/25/2000	*993891*	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	dmd	4/26/2000	*993897*	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	dmd	4/26/2000	*993899*	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	dmd	4/26/2000	*993897*	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	rf	5/2/2000	*993947*	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	dmd	4/26/2000	*993897*	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	tm	5/2/2000	*993946*	
Zinc - ICAP	0.02	mg/l	*J* RJ	0.014	0.04	200.7	dmd	4/26/2000	*993897*	

Approved By: _____ **Date:** 5/8/2000

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: **20000272**
DATE REPORTED: 26-Apr-00
DATE RECEIVED: 24-Apr-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
Sample Number: **19300**		QC Prep Batch Number: 993895			*Sample analyzed within*	*1*	*Day(s) from collection.*			
Client ID: **000424WA01P**	Sample Description:				*Collection:*	*4/24/2000*	*Time:*	*09:55*		
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	4/25/2000
1,1,1-Trichloroethane	220	ug/l	2.3	7.3	40	10		8260	cps	4/25/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	4/25/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	4/25/2000
1,1-Dichloroethane	47	ug/l	1.5	4.8	85	10		8260	cps	4/25/2000
1,1-Dichloroethene	18	ug/l	3.6	11	0.7	10		8260	cps	4/25/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	4/25/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	4/25/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	4/25/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	4/25/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/25/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	4/25/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	4/25/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	4/25/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	4/25/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/25/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	4/25/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	4/25/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	4/25/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	4/25/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	4/25/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	4/25/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/25/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	4/25/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	4/25/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	4/25/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	4/25/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	4/25/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	4/25/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	4/25/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	4/25/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	4/25/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	4/25/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	4/25/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	4/25/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	4/25/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	4/25/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	4/25/2000
cis-1,2-Dichloroethene	55	ug/l	2	6.4	7	10		8260	cps	4/25/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	4/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000272**
DATE REPORTED: 26-Apr-00
DATE RECEIVED: 24-Apr-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	4/25/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	4/25/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	4/25/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	4/25/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	4/25/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	4/25/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	4/25/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	4/25/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	4/25/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	4/25/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/25/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	4/25/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	4/25/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	4/25/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	4/25/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	4/25/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	4/25/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	4/25/2000
Tetrachloroethene	5.6	ug/l	2.9	9.2	0.5	10	J	8260	cps	4/25/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	4/25/2000
trans-1,2-Dichloroethene	14	ug/l	1.6	5.1	20	10		8260	cps	4/25/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	4/25/2000
Trichloroethene	578	ug/l	1.6	5.1	0.5	10		8260	cps	4/25/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	4/25/2000
Vinyl chloride	2.2	ug/l	2.1	6.7	0.02	10	J	8260	cps	4/25/2000

Sample Number: **19304** QC Prep Batch Number: 993895 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000424WA07P** Sample Description: *Collection: 4/24/2000 Time: 10:12*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/25/2000
1,1,1-Trichloroethane	0.65	ug/l	0.23	0.73	40	1	J	8260	cps	4/25/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/25/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/25/2000
1,1-Dichloroethane	0.34	ug/l	0.15	0.48	85	1	J	8260	cps	4/25/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/25/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/25/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/25/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/25/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	4/25/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/25/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/25/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	4/25/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000272**
DATE REPORTED: 26-Apr-00
DATE RECEIVED: 24-Apr-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	4/25/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/25/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/25/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/25/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/25/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/25/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/25/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/25/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/25/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/25/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/25/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/25/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/25/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/25/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/25/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/25/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/25/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/25/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/25/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/25/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/25/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/25/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/25/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/25/2000
cis-1,2-Dichloroethene	0.67	ug/l	0.2	0.64	7	1		8260	cps	4/25/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/25/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	4/25/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/25/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	4/25/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	4/25/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/25/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	4/25/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/25/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	4/25/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	4/25/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/25/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/25/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/25/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	4/25/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	4/25/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/25/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/25/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	4/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000272**
DATE REPORTED: 26-Apr-00
DATE RECEIVED: 24-Apr-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	4/25/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/25/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	4/25/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	4/25/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/25/2000
Trichloroethene	2.3	ug/l	0.16	0.51	0.5	1		8260	cps	4/25/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/25/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/25/2000

Sample Number: **19305** QC Prep Batch Number: 993895 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000424WA09P** Sample Description: *Collection: 4/24/2000 Time: 10:20*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/25/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	4/25/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/25/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/25/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	4/25/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/25/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/25/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/25/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/25/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	4/25/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/25/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/25/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	4/25/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/25/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/25/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/25/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/25/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/25/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/25/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/25/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/25/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/25/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/25/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/25/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/25/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/25/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/25/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/25/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/25/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/25/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/25/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000272**
DATE REPORTED: 26-Apr-00
DATE RECEIVED: 24-Apr-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	4/25/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/25/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/25/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/25/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/25/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/25/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/25/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	4/25/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/25/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	4/25/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/25/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	4/25/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	4/25/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/25/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	4/25/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/25/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	4/25/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	4/25/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/25/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/25/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/25/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	4/25/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	4/25/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/25/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/25/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	4/25/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/25/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/25/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	4/25/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	4/25/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/25/2000
Trichloroethene	0.43	ug/l	0.16	0.51	0.5	1	J	8260	cps	4/25/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/25/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/25/2000

Sample Number: **19307** QC Prep Batch Number: 993895 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 4/24/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/25/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	4/25/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/25/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/25/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	4/25/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000272**
DATE REPORTED: 26-Apr-00
DATE RECEIVED: 24-Apr-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	4/25/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/25/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/25/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/25/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	4/25/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/25/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/25/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	4/25/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/25/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/25/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/25/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/25/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/25/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/25/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/25/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/25/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/25/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/25/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/25/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/25/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/25/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/25/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/25/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/25/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/25/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/25/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/25/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/25/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/25/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/25/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/25/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/25/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/25/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	4/25/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/25/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	4/25/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/25/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	4/25/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	4/25/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/25/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	4/25/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/25/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	4/25/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000272**
DATE REPORTED: 26-Apr-00
DATE RECEIVED: 24-Apr-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	4/25/2000
Methylene chloride	< 0.76	**ug/l**	0.76	2.4	0.5	1		8260	cps	4/25/2000
n-Butylbenzene	< 0.23	**ug/l**	0.23	0.73	ns	1		8260	cps	4/25/2000
n-Propylbenzene	< 0.25	**ug/l**	0.25	0.8	ns	1		8260	cps	4/25/2000
Naphthalene	< 0.46	**ug/l**	0.46	1.5	8	1		8260	cps	4/25/2000
o-xylene	< 0.18	**ug/l**	0.18	0.57	124	1		8260	cps	4/25/2000
p-Isopropyltoluene	< 0.18	**ug/l**	0.18	0.57	ns	1		8260	cps	4/25/2000
sec-Butylbenzene	< 0.3	**ug/l**	0.3	0.95	ns	1		8260	cps	4/25/2000
Styrene	< 0.21	**ug/l**	0.21	0.67	10	1		8260	cps	4/25/2000
tert-Butylbenzene	< 0.2	**ug/l**	0.2	0.64	ns	1		8260	cps	4/25/2000
Tetrachloroethene	< 0.29	**ug/l**	0.29	0.92	0.5	1		8260	cps	4/25/2000
Toluene	< 0.33	**ug/l**	0.33	1	68.6	1		8260	cps	4/25/2000
trans-1,2-Dichloroethene	< 0.16	**ug/l**	0.16	0.51	20	1		8260	cps	4/25/2000
trans-1,3-Dichloropropene	< 0.2	**ug/l**	0.2	0.64	0.02	1		8260	cps	4/25/2000
Trichloroethene	< 0.16	**ug/l**	0.16	0.51	0.5	1		8260	cps	4/25/2000
Trichlorofluoromethane	< 0.34	**ug/l**	0.34	1.1	ns	1		8260	cps	4/25/2000
Vinyl chloride	< 0.21	**ug/l**	0.21	0.67	0.02	1		8260	cps	4/25/2000

Approved By: _____ **Date:** 5/8/00
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: **20000378**
DATE REPORTED: 01-Jun-00
DATE RECEIVED: 26-May-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: **19733** QC Prep Batch Number: 994255 *Sample analyzed within 5 Day(s) from collection.*
Client ID: **0005WA09** Sample Description: *Collection: 5/26/2000 Time: 10:25*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/31/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	5/31/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	5/31/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	5/31/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	5/31/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	5/31/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	5/31/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	5/31/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	5/31/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	5/31/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	5/31/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	5/31/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	5/31/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	5/31/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	5/31/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	5/31/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	5/31/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	5/31/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	5/31/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/31/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	5/31/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	5/31/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	5/31/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/31/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	5/31/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	5/31/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	5/31/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	5/31/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	5/31/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	5/31/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	5/31/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	5/31/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	5/31/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	5/31/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000378**
DATE REPORTED: 01-Jun-00
DATE RECEIVED: 26-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	5/31/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	5/31/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	5/31/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	5/31/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	5/31/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	5/31/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	5/31/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	5/31/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	5/31/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	5/31/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	5/31/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	5/31/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	5/31/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	5/31/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	5/31/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	5/31/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	5/31/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	5/31/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	5/31/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	5/31/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/31/2000

Approved By: _____ **Date:** 6/1/00
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: **20000363**
DATE REPORTED: 25-May-00
DATE RECEIVED: 23-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

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

Sample Number: **19682** QC Prep Batch Number: 994209 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00522WA01P** Sample Description: *Collection: 5/22/2000 Time: 09:10*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	5/24/2000
1,1,1-Trichloroethane	180	ug/l	2.3	7.3	40	10		8260	cps	5/24/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	5/24/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	5/24/2000
1,1-Dichloroethane	30	ug/l	1.5	4.8	85	10		8260	cps	5/24/2000
1,1-Dichloroethene	13	ug/l	3.6	11	0.7	10		8260	cps	5/24/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	5/24/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	5/24/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	5/24/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	5/24/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	5/24/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	5/24/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	5/24/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	5/24/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	5/24/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	5/24/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	5/24/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	5/24/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	5/24/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	5/24/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	5/24/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	5/24/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	5/24/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	5/24/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	5/24/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	5/24/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	5/24/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	5/24/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	5/24/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	5/24/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	5/24/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	5/24/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	5/24/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	5/24/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	5/24/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	5/24/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	5/24/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	5/24/2000
cis-1,2-Dichloroethene	46	ug/l	2	6.4	7	10		8260	cps	5/24/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	5/24/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000363**
DATE REPORTED: 25-May-00
DATE RECEIVED: 23-May-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	5/24/2000
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	cps	5/24/2000
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	cps	5/24/2000
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	cps	5/24/2000
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	5/24/2000
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	cps	5/24/2000
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	cps	5/24/2000
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	cps	5/24/2000
Methyl-t-butyl ether	< 2.1	ug/l	2.1	6.7	12	10		8260	cps	5/24/2000
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	cps	5/24/2000
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	5/24/2000
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	5/24/2000
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	cps	5/24/2000
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	cps	5/24/2000
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	cps	5/24/2000
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	5/24/2000
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	cps	5/24/2000
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	cps	5/24/2000
Tetrachloroethene	7.1	ug/l	2.9	9.2	0.5	10	J	8260	cps	5/24/2000
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	cps	5/24/2000
trans-1,2-Dichloroethene	13	ug/l	1.6	5.1	20	10		8260	cps	5/24/2000
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	cps	5/24/2000
Trichloroethene	495	ug/l	1.6	5.1	0.5	10		8260	cps	5/24/2000
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	5/24/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	5/24/2000

Sample Number: **19687** QC Prep Batch Number: 994209 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00522WA07P** Sample Description: *Collection: 5/22/2000 Time: 08:57*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/24/2000
1,1,1-Trichloroethane	0.62	ug/l	0.23	0.73	40	1	J	8260	cps	5/24/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/24/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/24/2000
1,1-Dichloroethane	0.32	ug/l	0.15	0.48	85	1	J	8260	cps	5/24/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/24/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/24/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/24/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/24/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/24/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/24/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/24/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/24/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/24/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000363**
DATE REPORTED: 25-May-00
DATE RECEIVED: 23-May-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	5/24/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/24/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/24/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/24/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/24/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/24/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/24/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/24/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/24/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/24/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/24/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/24/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/24/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/24/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/24/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/24/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/24/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/24/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/24/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/24/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/24/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/24/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/24/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/24/2000
cis-1,2-Dichloroethene	0.66	ug/l	0.2	0.64	7	1		8260	cps	5/24/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/24/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/24/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/24/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/24/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/24/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/24/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/24/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/24/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/24/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/24/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/24/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/24/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/24/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/24/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/24/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/24/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/24/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/24/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000363**
DATE REPORTED: 25-May-00
DATE RECEIVED: 23-May-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	5/24/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/24/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/24/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/24/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/24/2000
Trichloroethene	3.1	ug/l	0.16	0.51	0.5	1		8260	cps	5/24/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/24/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/24/2000

Sample Number: **19688** QC Prep Batch Number: 994209 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00522WA08P** Sample Description: *Collection: 5/22/2000 Time: 08:52*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/24/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	5/24/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/24/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/24/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	5/24/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/24/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/24/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/24/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/24/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/24/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/24/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/24/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/24/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/24/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/24/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/24/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/24/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/24/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/24/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/24/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/24/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/24/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/24/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/24/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/24/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/24/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/24/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/24/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/24/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/24/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/24/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000363**
DATE REPORTED: 25-May-00
DATE RECEIVED: 23-May-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	5/24/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/24/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/24/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/24/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/24/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/24/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/24/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/24/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/24/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/24/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/24/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/24/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/24/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/24/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/24/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/24/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/24/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/24/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/24/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/24/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/24/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/24/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/24/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/24/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/24/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/24/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/24/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/24/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/24/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/24/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/24/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	5/24/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/24/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/24/2000

Sample Number: **19689** QC Prep Batch Number: 994209 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 5/22/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/24/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	5/24/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/24/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/24/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	5/24/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000363**
DATE REPORTED: 25-May-00
DATE RECEIVED: 23-May-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	5/24/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/24/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/24/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/24/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/24/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/24/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/24/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/24/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/24/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/24/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/24/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/24/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/24/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/24/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/24/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/24/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/24/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/24/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/24/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/24/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/24/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/24/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/24/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/24/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/24/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/24/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/24/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/24/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/24/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/24/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/24/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/24/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/24/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/24/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/24/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/24/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/24/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/24/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/24/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/24/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/24/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/24/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/24/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000363**
DATE REPORTED: 25-May-00
DATE RECEIVED: 23-May-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	5/24/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/24/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/24/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/24/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/24/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/24/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/24/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/24/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/24/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/24/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/24/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/24/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/24/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/24/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	5/24/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/24/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/24/2000

Sample Number: **19690** QC Prep Batch Number: 994209 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00522WA09P** Sample Description: *Collection: 5/22/2000 Time: 08:45*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/24/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	5/24/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	5/24/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/24/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	5/24/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	5/24/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	5/24/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/24/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	5/24/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	5/24/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/24/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	5/24/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	5/24/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/24/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	5/24/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/24/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	5/24/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	5/24/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	5/24/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	5/24/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	5/24/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/24/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000363**
DATE REPORTED:	25-May-00
DATE RECEIVED:	23-May-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
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	5/24/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	5/24/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/24/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	5/24/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/24/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	5/24/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	5/24/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/24/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	5/24/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	5/24/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	5/24/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	5/24/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	5/24/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	5/24/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	5/24/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	5/24/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	5/24/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	5/24/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	5/24/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	5/24/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	5/24/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	5/24/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/24/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	5/24/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	5/24/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	5/24/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	5/24/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	5/24/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	5/24/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	5/24/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	5/24/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	5/24/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	5/24/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/24/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	5/24/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	5/24/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	5/24/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	5/24/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	5/24/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	5/24/2000
Trichloroethene	0.58	ug/l	0.16	0.51	0.5	1		8260	cps	5/24/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/24/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/24/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000363**
DATE REPORTED:	25-May-00
DATE RECEIVED:	23-May-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

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

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 **20000363**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 23-May-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: 19682
Client ID: **00522WA01P**
Collection: 5/22/2000 Time: 09:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/5/2000	994295	
Barium - ICAP	0.08	mg/l		0.007	0.02	200.7	tm	5/25/2000	994226	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	5/23/2000	994196	
Chromium, Total - ICAP	<0.008	mg/l		0.008	0.03	200.7	tm	5/25/2000	994226	
Copper- ICAP	0.008	mg/l	J	0.006	0.02	200.7	tm	5/25/2000	994226	
Iron - ICAP	0.88	mg/l		0.081	0.26	200.7	tm	5/25/2000	994226	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	5/26/2000	994235	
Manganese - ICAP	0.1	mg/l		0.006	0.02	200.7	tm	5/25/2000	994226	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	6/1/2000	994268	
Nickel - ICAP	<0.011	mg/l		0.011	0.03	200.7	tm	5/25/2000	994226	
Selenium - Furnace AA	13	ug/l	J RJ	4.8	15	270.2	tn	6/2/2000	994275	
Silver - ICAP	<0.004	mg/l		0.004	0.01	200.7	tm	5/25/2000	994226	
Thallium - Furnace AA	<1.7	ug/l	RJ	1.7	5.4	279.2	tm	6/1/2000	994267	
Zinc - ICAP	0.04	mg/l	J	0.014	0.04	200.7	tm	5/25/2000	994226	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	28053	5/23/2000	994210	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	dmd	6/1/2000	994265	
Cyanide, Total	0.02	mg/l		0.006	0.02	335.2	dmd	5/24/2000	994205	
pH (water)	7.4	s.u.	#			150.1	JC	5/22/2000	994199	

Nova Sample Number: 19683
Client ID: **00522WA09R**
Collection: 5/22/2000 Time: 08:45
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	6/5/2000	994295	
Barium - ICAP	0.01	mg/l	J	0.007	0.02	200.7	tm	5/25/2000	994226	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	dmd	5/23/2000	994196	
Chromium, Total - ICAP	<0.008	mg/l		0.008	0.03	200.7	tm	5/25/2000	994226	
Copper- ICAP	0.02	mg/l		0.006	0.02	200.7	tm	5/25/2000	994226	
Iron - ICAP	<0.081	mg/l		0.081	0.26	200.7	tm	5/25/2000	994226	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	5/26/2000	994235	
Manganese - ICAP	<0.006	mg/l		0.006	0.02	200.7	tm	5/25/2000	994226	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	6/1/2000	994268	
Nickel - ICAP	<0.011	mg/l		0.011	0.03	200.7	tm	5/25/2000	994226	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000363**
DATE REPORTED: 07-Jun-00
DATE RECEIVED: 23-May-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
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	5/25/2000	*994226*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/1/2000	*994267*	
Zinc - ICAP	**0.02**	**mg/l**	*J*	0.014	0.04	200.7	tm	5/25/2000	*994226*	
Nova Sample Number: 19684										
Client ID: **00522WA02P**								Collection: 5/22/2000	Time: 09:00	
								Sample Description:		
pH (water)	**9.4**	**s.u.**	**#**			150.1	JC	5/22/2000	*994199*	
Nova Sample Number: 19685										
Client ID: **00522WA03P**								Collection: 5/22/2000	Time: 09:02	
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	JC	5/22/2000	*994199*	
Nova Sample Number: 19686										
Client ID: **00522WA05P**								Collection: 5/22/2000	Time: 08:55	
								Sample Description:		
pH (water)	**7.3**	**s.u.**	**#**			150.1	JC	5/22/2000	*994199*	
Nova Sample Number: 19690										
Client ID: **00522WA09P**								Collection: 5/22/2000	Time: 08:45	
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	28053	5/23/2000	*994210*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	5/24/2000	*994203*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	5/24/2000	*994205*	
pH (water)	**7.9**	**s.u.**	**#**			150.1	JC	5/22/2000	*994199*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000363**
DATE REPORTED:	07-Jun-00
DATE RECEIVED:	23-May-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

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

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

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

WDNR# 241340550

BATCH NUMBER: **20000386**
DATE REPORTED: 01-Jun-00
DATE RECEIVED: 31-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME:

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: 19773			QC Prep Batch Number: 994255				*Sample analyzed within* 1 *Day(s) from collection.*			
Client ID: 00530WA01P	Sample Description: Grab						*Collection: 5/30/2000*	*Time: 11:00*		
1,1,1,2-Tetrachloroethane	<2.2	ug/l	2.2	7	ns	10		8260	cps	5/31/2000
1,1,1-Trichloroethane	204	ug/l	3.1	9.9	40	10		8260	cps	5/31/2000
1,1,2,2-Tetrachloroethane	<4.4	ug/l	4.4	14	0.02	10		8260	cps	5/31/2000
1,1,2-Trichloroethane	<4.4	ug/l	4.4	14	0.5	10		8260	cps	5/31/2000
1,1-Dichloroethane	32	ug/l	3.2	10	85	10		8260	cps	5/31/2000
1,1-Dichloroethene	17	ug/l	3.4	11	0.7	10		8260	cps	5/31/2000
1,1-Dichloropropene	<4.3	ug/l	4.3	14	ns	10		8260	cps	5/31/2000
1,2,3-Trichlorobenzene	<5	ug/l	5	16	ns	10		8260	cps	5/31/2000
1,2,3-Trichloropropane	<5.1	ug/l	5.1	16	ns	10		8260	cps	5/31/2000
1,2,4-Trichlorobenzene	<4.7	ug/l	4.7	15	14	10		8260	cps	5/31/2000
1,2,4-Trimethylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	5/31/2000
1,2-Dibromoethane	<4.6	ug/l	4.6	15	0.005	10		8260	cps	5/31/2000
1,2-Dichlorobenzene	<3.4	ug/l	3.4	11	60	10		8260	cps	5/31/2000
1,2-Dichloroethane	<3.5	ug/l	3.5	11	0.5	10		8260	cps	5/31/2000
1,2-Dichloropropane	<3.2	ug/l	3.2	10	0.5	10		8260	cps	5/31/2000
1,3,5-Trimethylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	5/31/2000
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8.3	125	10		8260	cps	5/31/2000
1,3-Dichloropropane	<3.9	ug/l	3.9	12	ns	10		8260	cps	5/31/2000
1,4-Dichlorobenzene	<3.6	ug/l	3.6	11	15	10		8260	cps	5/31/2000
12Dibromo-3-chloropropan	<3.3	ug/l	3.3	10	0.02	10		8260	cps	5/31/2000
2,2-Dichloropropane	<2.7	ug/l	2.7	8.6	ns	10		8260	cps	5/31/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	5/31/2000
2-Chloroethyl Vinyl Ether	<7	ug/l	7	22	ns	10		8260	cps	5/31/2000
2-Chlorotoluene	<3	ug/l	3	9.5	ns	10		8260	cps	5/31/2000
4-Chlorotoluene	<2.6	ug/l	2.6	8.3	ns	10		8260	cps	5/31/2000
4-Methyl-2-Pentanone	<8	ug/l	8	25	50	10		8260	cps	5/31/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	5/31/2000
Benzene	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	5/31/2000
Bromobenzene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	5/31/2000
Bromochloromethane	<3.7	ug/l	3.7	12	ns	10		8260	cps	5/31/2000
Bromodichloromethane	<3.8	ug/l	3.8	12	0.06	10		8260	cps	5/31/2000
Bromoform	<3.9	ug/l	3.9	12	0.44	10		8260	cps	5/31/2000
Bromomethane	<6.5	ug/l	6.5	21	1	10		8260	cps	5/31/2000
Carbon tetrachloride	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	5/31/2000
Chlorobenzene	<2.6	ug/l	2.6	8.3	20	10		8260	cps	5/31/2000
Chloroethane	9.1	ug/l	6.4	20	80	10	J	8260	cps	5/31/2000
Chloroform	<2.4	ug/l	2.4	7.6	0.6	10		8260	cps	5/31/2000
Chloromethane	<4.9	ug/l	4.9	16	0.3	10		8260	cps	5/31/2000
cis-1,2-Dichloroethene	51	ug/l	2.7	8.6	7	10		8260	cps	5/31/2000
cis-1,3-Dichloropropene	<3.7	ug/l	3.7	12	0.02	10		8260	cps	5/31/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000386**
DATE REPORTED:	01-Jun-00
DATE RECEIVED:	31-May-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling
PROJECT NAME:	

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 4.1	**ug/l**	4.1	13	6	10		8260	cps	5/31/2000
Dibromomethane	< 4.6	**ug/l**	4.6	15	ns	10		8260	cps	5/31/2000
Dichlorodifluoromethane	< 2.7	**ug/l**	2.7	8.6	200	10		8260	cps	5/31/2000
Ethylbenzene	< 2.5	**ug/l**	2.5	8	140	10		8260	cps	5/31/2000
Hexachlorobutadiene	< 4.2	**ug/l**	4.2	13	ns	10		8260	cps	5/31/2000
Isopropyl Ether	< 3	**ug/l**	3	9.5	ns	10		8260	cps	5/31/2000
Isopropylbenzene	< 3.3	**ug/l**	3.3	10	ns	10		8260	cps	5/31/2000
m&p-xylene	< 5.3	**ug/l**	5.3	17	124	10		8260	cps	5/31/2000
Methyl-t-butyl ether	< 3.9	**ug/l**	3.9	12	12	10		8260	cps	5/31/2000
Methylene chloride	< 3	**ug/l**	3	9.5	0.5	10		8260	cps	5/31/2000
n-Butylbenzene	< 3.6	**ug/l**	3.6	11	ns	10		8260	cps	5/31/2000
n-Propylbenzene	< 2.8	**ug/l**	2.8	8.9	ns	10		8260	cps	5/31/2000
Naphthalene	< 7.5	**ug/l**	7.5	24	8	10		8260	cps	5/31/2000
o-xylene	< 2.5	**ug/l**	2.5	8	124	10		8260	cps	5/31/2000
p-Isopropyltoluene	< 3.1	**ug/l**	3.1	9.9	ns	10		8260	cps	5/31/2000
sec-Butylbenzene	< 3.4	**ug/l**	3.4	11	ns	10		8260	cps	5/31/2000
Styrene	< 2.5	**ug/l**	2.5	8	10	10		8260	cps	5/31/2000
tert-Butylbenzene	< 3	**ug/l**	3	9.5	ns	10		8260	cps	5/31/2000
Tetrachloroethene	6.6	**ug/l**	3.1	9.9	0.5	10	*J*	8260	cps	5/31/2000
Toluene	< 2.9	**ug/l**	2.9	9.2	68.6	10		8260	cps	5/31/2000
trans-1,2-Dichloroethene	15	**ug/l**	2.5	8	20	10		8260	cps	5/31/2000
trans-1,3-Dichloropropene	< 2.6	**ug/l**	2.6	8.3	0.02	10		8260	cps	5/31/2000
Trichloroethene	542	**ug/l**	3.4	11	0.5	10		8260	cps	5/31/2000
Trichlorofluoromethane	< 2.4	**ug/l**	2.4	7.6	ns	10		8260	cps	5/31/2000
Vinyl chloride	< 2.1	**ug/l**	2.1	6.7	0.02	10		8260	cps	5/31/2000

Sample Number: **19778** QC Prep Batch Number: 994255 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **00530WA07P** Sample Description: **Grab** *Collection: 5/30/2000 Time: 11:05*

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.7	ns	1		8260	cps	5/31/2000
1,1,1-Trichloroethane	0.44	**ug/l**	0.31	0.99	40	1	*J*	8260	cps	5/31/2000
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	0.02	1		8260	cps	5/31/2000
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	0.5	1		8260	cps	5/31/2000
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1	85	1		8260	cps	5/31/2000
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	0.7	1		8260	cps	5/31/2000
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	ns	1		8260	cps	5/31/2000
1,2,3-Trichlorobenzene	< 0.5	**ug/l**	0.5	1.6	ns	1		8260	cps	5/31/2000
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	ns	1		8260	cps	5/31/2000
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	14	1		8260	cps	5/31/2000
1,2,4-Trimethylbenzene	< 0.3	**ug/l**	0.3	0.95	ns	1		8260	cps	5/31/2000
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	0.005	1		8260	cps	5/31/2000
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	60	1		8260	cps	5/31/2000
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	0.5	1		8260	cps	5/31/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000386**
DATE REPORTED: 01-Jun-00
DATE RECEIVED: 31-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	5/31/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	5/31/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	5/31/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	5/31/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	5/31/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	5/31/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/31/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	5/31/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	5/31/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	5/31/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/31/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	5/31/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	5/31/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	5/31/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	5/31/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	5/31/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	5/31/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	5/31/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	5/31/2000
cis-1,2-Dichloroethene	0.47	ug/l	0.27	0.86	7	1	J	8260	cps	5/31/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	5/31/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	5/31/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	5/31/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	5/31/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	5/31/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	5/31/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	5/31/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	5/31/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	5/31/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	5/31/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	5/31/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	5/31/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	5/31/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	5/31/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	5/31/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000386**
DATE REPORTED: 01-Jun-00
DATE RECEIVED: 31-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	5/31/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	5/31/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	5/31/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	5/31/2000
Trichloroethene	2.1	ug/l	0.34	1.1	0.5	1		8260	cps	5/31/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	5/31/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/31/2000

Sample Number: **19779** QC Prep Batch Number: 994255 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **00530WA08P** Sample Description: **Grab** *Collection: 5/30/2000 Time: 11:23*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/31/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	5/31/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	5/31/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	5/31/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	5/31/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	5/31/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	5/31/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	5/31/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	5/31/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	5/31/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	5/31/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	5/31/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	5/31/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	5/31/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	5/31/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	5/31/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	5/31/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	5/31/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	5/31/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/31/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	5/31/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	5/31/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	5/31/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/31/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	5/31/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	5/31/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000386**
DATE REPORTED: 01-Jun-00
DATE RECEIVED: 31-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	5/31/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	5/31/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	5/31/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	5/31/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	5/31/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	5/31/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	5/31/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	5/31/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	5/31/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	5/31/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	5/31/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	5/31/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	5/31/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	5/31/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	5/31/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	5/31/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	5/31/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	5/31/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	5/31/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	5/31/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	5/31/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	5/31/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	5/31/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	5/31/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	5/31/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	5/31/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	5/31/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	5/31/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/31/2000

Sample Number: **19780** QC Prep Batch Number: 994255 *Sample analyzed within 1 Day(s) from collection*
Client ID: **Trip Balnk** Sample Description: *Collection: 5/30/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/31/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	5/31/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	5/31/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	5/31/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	5/31/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000386**
DATE REPORTED: 01-Jun-00
DATE RECEIVED: 31-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	5/31/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	5/31/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	5/31/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	5/31/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	5/31/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	5/31/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	5/31/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	5/31/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	5/31/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	5/31/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	5/31/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	5/31/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	5/31/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	5/31/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/31/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	5/31/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	5/31/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	5/31/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/31/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	5/31/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	5/31/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	5/31/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	5/31/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	5/31/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	5/31/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	5/31/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	5/31/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	5/31/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	5/31/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	5/31/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	5/31/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	5/31/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	5/31/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	5/31/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	5/31/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	5/31/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000386**
DATE REPORTED: 01-Jun-00
DATE RECEIVED: 31-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	5/31/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	5/31/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	5/31/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	5/31/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	5/31/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	5/31/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	5/31/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	5/31/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	5/31/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	5/31/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	5/31/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	5/31/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	5/31/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/31/2000

Sample Number: **19781** QC Prep Batch Number: 994255 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **00530WA09P** Sample Description: *Collection: 5/30/2000 Time: 11:12*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	5/31/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	5/31/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	5/31/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	5/31/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	5/31/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	5/31/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	5/31/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	5/31/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	5/31/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	5/31/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	5/31/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	5/31/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	5/31/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	5/31/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	5/31/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	5/31/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	5/31/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	5/31/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	5/31/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	5/31/2000

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

WDNR# 241340550

BATCH NUMBER: **20000386**
DATE REPORTED: 01-Jun-00
DATE RECEIVED: 30-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Sampling
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	5/31/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	5/31/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	5/31/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	5/31/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	5/31/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	5/31/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	5/31/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	5/31/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	5/31/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	5/31/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	5/31/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	5/31/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	5/31/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	5/31/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	5/31/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	5/31/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	5/31/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	5/31/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	5/31/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	5/31/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	5/31/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	5/31/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	5/31/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	5/31/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	5/31/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	5/31/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	5/31/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	5/31/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	5/31/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	5/31/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	5/31/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	5/31/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	5/31/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	5/31/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	5/31/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	5/31/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	5/31/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	5/31/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	5/31/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000386**
DATE REPORTED:	01-Jun-00
DATE RECEIVED:	30-May-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Sampling
PROJECT NAME:	

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

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

Approved By: _____ **Date:** 6/15/6

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 20000386
DATE REPORTED: 16-Jun-00
DATE RECEIVED: 31-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 19773										
Client ID: **00530WA01P**								Collection: 5/30/2000 Sample Description: Grab		Time: 11:00
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.17**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**<0.006**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**1.1**	**mg/l**		0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	dmd	5/29/2000	*994260*	
Manganese - ICAP	**0.15**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	6/1/2000	*994268*	
Nickel - ICAP	**0.02**	**mg/l**	*J*	0.011	0.03	200.7	tm	6/2/2000	*994297*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**3.8**	**ug/l**	***J* RJ**	1.7	5.4	279.2	tm	6/1/2000	*994267*	
Zinc - ICAP	**<0.014**	**mg/l**		0.014	0.04	200.7	tm	6/2/2000	*994297*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	5/31/2000	*994363*	
Cyanide, Amenable	**<0.0077**	**mg/l**		0.008	0.02	335.2	12805	6/9/2000	*994364*	
Cyanide, Total	**<0.0077**	**mg/l**		0.008	0.02	335.2	12805	6/9/2000	*994365*	
pH (water)	**7.4**	**s.u.**	#			150.1	tn	5/30/2000	*994242*	
Nova Sample Number: 19774										
Client ID: **00530WA09R**								Collection: 5/30/2000 Sample Description: Composite		Time: 11:17
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	6/5/2000	*994295*	
Barium - ICAP	**0.08**	**mg/l**		0.007	0.02	200.7	tm	6/2/2000	*994297*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	tm	6/5/2000	*994296*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		0.008	0.03	200.7	tm	6/2/2000	*994297*	
Copper- ICAP	**<0.006**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Iron - ICAP	**0.15**	**mg/l**	*J*	0.081	0.26	200.7	tm	6/2/2000	*994297*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	dmd	5/29/2000	*994260*	
Manganese - ICAP	**<0.006**	**mg/l**		0.006	0.02	200.7	tm	6/2/2000	*994297*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	6/1/2000	*994268*	
Nickel - ICAP	**<0.011**	**mg/l**		0.011	0.03	200.7	tm	6/2/2000	*994297*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000386
DATE REPORTED: 16-Jun-00
DATE RECEIVED: 31-May-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Weekly Samplin
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tn	6/2/2000	*994275*	
Silver - ICAP	**<0.004**	**mg/l**		0.004	0.01	200.7	tm	6/2/2000	*994297*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	6/1/2000	*994267*	
Zinc - ICAP	**<0.014**	**mg/l**		0.014	0.04	200.7	tm	6/2/2000	*994297*	
Nova Sample Number: 19775										
Client ID: **00530WA02P**								Collection: 5/30/2000		Time: 11:07
								Sample Description: Grab		
pH (water)	**9.2**	**s.u.**	**#**			150.1	tn	5/30/2000	*994242*	
Nova Sample Number: 19776										
Client ID: **00530WA03P**								Collection: 5/30/2000		Time: 11:10
								Sample Description: Grab		
pH (water)	**11**	**s.u.**	**#**			150.1	tn	5/30/2000	*994242*	
Nova Sample Number: 19777										
Client ID: **00530WA05P**								Collection: 5/30/2000		Time: 11:20
								Sample Description: Grab		
pH (water)	**8.3**	**s.u.**	**#**			150.1	tn	5/30/2000	*994242*	
Nova Sample Number: 19781										
Client ID: **00530WA09P**								Collection: 5/30/2000		Time: 11:12
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	5/31/2000	*994363*	
Cyanide, Amenable	**<0.0077**	**mg/l**		0.008	0.02	335.2	12805	6/9/2000	*994364*	
Cyanide, Total	**<0.0077**	**mg/l**		0.008	0.02	335.2	12805	6/9/2000	*994365*	
pH (water)	**7.8**	**s.u.**	**#**			150.1	tn	5/30/2000	*994242*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000386**
DATE REPORTED:	16-Jun-00
DATE RECEIVED:	30-May-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Weekly Samplin
PROJECT NAME:	

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

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

Approved By: _____ **Date:** 6/16/0

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.

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EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

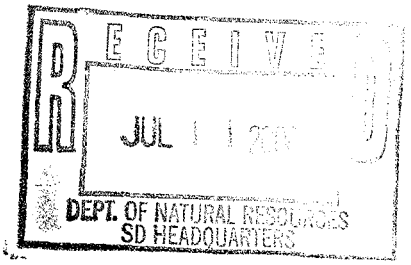
- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0006 06 WA09PQ
Lab Sample Number : 901977-001
Lab Project Number : 901977

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 6/15/00
Collection Date : 6/6/00
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Chromium, Hexavalent	< 6.7	6.7	21		ug/L		6/6/00	SW846 7196A	SW846 7196A
Cyanide, free	< 0.0062	0.0062	0.020		mg/L		6/8/00	SM 4500	SM 4500
Cyanide, total	< 0.0089	0.0089	0.028		mg/L		6/8/00	EPA 335.4	EPA 335.4



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- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0006 06 WA09RQ
Lab Sample Number : 901977-002
Lab Project Number : 901977

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 6/15/00
Collection Date : 6/6/00
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	0.81	0.33	1.1		ug/L	Q	6/9/00	SW846 3015	SW846 6020
Barium	15	0.48	1.5		ug/L		6/9/00	SW846 3015	SW846 6020
Cadmium	< 0.066	0.066	0.21		ug/L		6/9/00	SW846 3015	SW846 6020
Cadmium - Recoverable	< 0.11	0.11	0.35		ug/L	Q	6/9/00	SW846 3005A	6020
Chromium	1.7	0.66	2.1		ug/L	Q	6/9/00	SW846 3015	SW846 6020
Copper	7.4	2.3	7.3		ug/L		6/9/00	SW846 3015	SW846 6020
Iron	< 49	49	160		ug/L		6/9/00	SW846 3015	SW846 6020
Lead	< 0.13	0.13	0.41		ug/L		6/9/00	SW846 3015	SW846 6020
Manganese	1.1	0.26	0.83		ug/L	A(0.80)	6/9/00	SW846 3015	SW846 6020
Mercury	< 0.091	0.091	0.29		ug/L		6/13/00	SW846 3005	SW846 6020
Nickel	11	0.96	3.1		ug/L		6/9/00	SW846 3015	SW846 6020
Selenium	1.2	0.63	2.0		ug/L	Q	6/9/00	SW846 3015	SW846 6020
Silver	< 0.11	0.11	0.35		ug/L		6/13/00	SW846 3005	SW846 6020
Thallium	0.100	0.060	0.19		ug/L	Q	6/9/00	SW846 3015	SW846 6020
Zinc	< 3.9	3.9	12		ug/L		6/9/00	SW846 3015	SW846 6020
COD	< 2.8	2.8	8.9		mg/L		6/14/00	EPA 410.4	EPA 410.4
Nitrogen, ammonia	0.068	0.045	0.14		mg/L	A(0.071	6/7/00	EPA 350.1	EPA 350.1
Nitrogen, NO3 + NO2	2.0	0.037	0.12		mg/L		6/9/00	EPA 353.2	EPA 353.2
Phosphorus, total	< 0.31	0.31	0.99		mg/L		6/7/00	EPA 365.4	EPA 365.1
Solids, total suspended	< 4.0	4.0	13		mg/L		6/8/00	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : 0006 06 WA09PQ
Lab Sample Number : 901977-001
Lab Project Number : 901977

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 6/15/00
Collection Date : 6/6/00
Matrix Type : GROUNDWATER
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		6/7/00	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		6/7/00	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		6/7/00	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		6/7/00	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		6/7/00	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		6/7/00	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		6/7/00	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		6/7/00	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		6/7/00	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		6/7/00	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		6/7/00	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		6/7/00	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		6/7/00	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		6/7/00	SW846 8260B
4-Bromofluorobenzene	100				%Recov		6/7/00	SW846 8260B
Dibromofluoromethane	93				%Recov		6/7/00	SW846 8260B
Toluene-d8	99				%Recov		6/7/00	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.
Units of %Recov(ery) denote surrogate spike recovery. All recoveries pass in-house control limits unless otherwise noted.

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- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : TRIP BLANK Q
Lab Sample Number : 901977-003
Lab Project Number : 901977

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 6/15/00
Collection Date : 6/6/00
Matrix Type : BLANK
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		6/7/00	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		6/7/00	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		6/7/00	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		6/7/00	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		6/7/00	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		6/7/00	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		6/7/00	SW846 8260B
Methylene chloride	0.75	0.38	1.2		ug/L	Q	6/7/00	SW846 8260B
Tetrachloroethene	0.85	0.41	1.3		ug/L	Q	6/7/00	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		6/7/00	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		6/7/00	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		6/7/00	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		6/7/00	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		6/7/00	SW846 8260B
4-Bromofluorobenzene	103				%Recov		6/7/00	SW846 8260B
Dibromofluoromethane	91				%Recov		6/7/00	SW846 8260B
Toluene-d8	98				%Recov		6/7/00	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.
Units of %Recov(ery) denote surrogate spike recovery. All recoveries pass in-house control limits unless otherwise noted.

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Inorganic Data Qualifier Sheet

A	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
AI	Due to the matrix of this sample the alternate isotope was used for analysis.
B	Analyte is detected in the method blank at "x" concentration. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
BB	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
BD	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BI	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BL	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BX	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
DA	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
DF	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
E	Estimated concentration due to matrix interferences. During the metals analysis using the inductively coupled plasma (ICP), the serial dilution failed to meet the established control limits of 0-10% and the sample concentrations greater than 50 times the EQL. The result was flagged with the E qualifier to indicate that a physical interference was observed.
ED	Elevated detection limit due to matrix effects.
G	Unable to determine precision due to matrix interference.
H(n)	Analysis performed "n" days past holding time (See Sample Narrative).
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
LV	Elevated detection limit due to low sample volume.
MS	Either the matrix spike or matrix spike duplicate was outside of the acceptable control limits. All other supporting QC was within the acceptable control limits.
N	Spiked sample recovery not within control limits; post-digestion spike recovery accepted.

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NP	Digested and post-digested spike recoveries fail accuracy control limits.
NR	Not required.
Q	The analyte has been detected between the Limit of Detection (LOD) and Limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
SUB	Assay was subcontracted to an approved lab.
UN	Unable to preserve sample due to matrix.
X	See sample narrative.
*	Duplicate analyses not within control limits.

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Organic Data Qualifier Sheet

B	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	Elevated detection limit (see Sample Narrative).
D	Analyte value from diluted analysis.
DL	No surrogate recovery available due to sample dilution.
E	Analyte concentration exceeds calibration range (see Sample Narrative).
F	Repeated surrogate failure (see Sample Narrative).
G	Sample exhibits hydrocarbon pattern resembling gasoline.
H(n)	Analysis performed "n" days past holding time.
J	Qualitative evidence of analyte present: concentration detected is greater than the method detection limit but less than the reporting limit.
K	Detection Limit may be elevated due to the presence of an unrequested analyte (see Sample Narrative).
L	Detects in trip blank.
M	Methanol leakage.
ND	Not Detected.
NR	Not Required.
P	The relative percent difference for detected concentrations between the two GC columns was greater than 40 % difference.
Q	The analyte has been detected between the Limit of Detection (LOD) and limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
U#	Elevated LOD due to matrix interference.
V	Heavy hydrocarbon present.
W	Sample received with headspace.
X	See Sample Narrative
Z	See Sample Narrative
SUB	Assay was subcontracted to an approved lab.