September 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 August, 2000 for the above referenced project. Questions regarding these reports should be directed to James Chang of APL, Inc. at (414) 355-5800.

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

Sincerely,

Dean Groleau

Dean Groleau, Plant Superintendent
APL, Inc.

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

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

MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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

September 15, 2000

1.0 Introduction

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

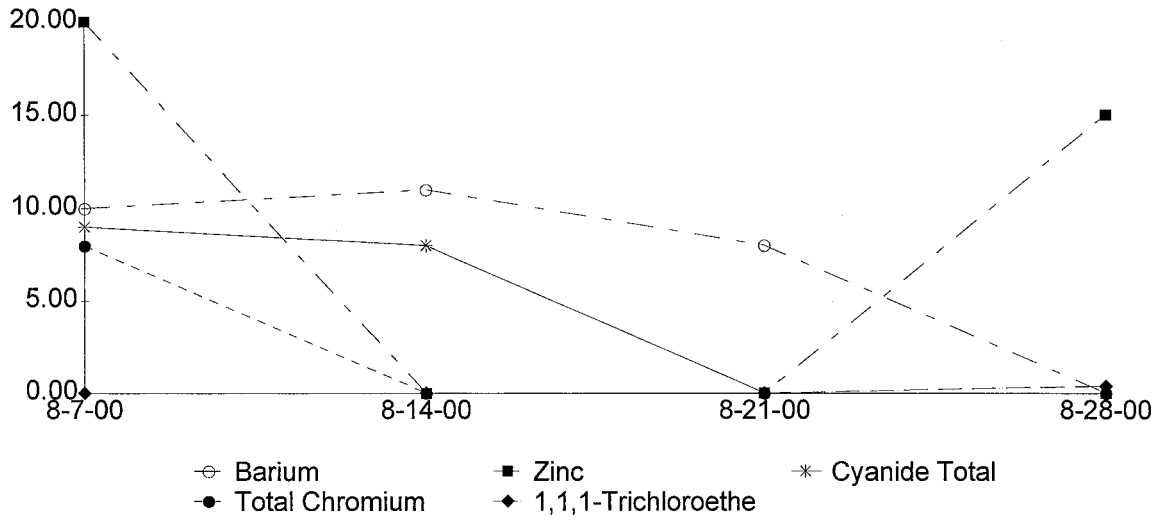
1.3 Effluent Monitoring

Weekly monitoring was conducted on August 7, 14, 21, and 28. The weekly samples for August were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in August showed no exceedences of the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

On July 11, at the request of Paul Kozol, WDNR, and with the permission of Steve Brossart, USACE, the Sodium Hypochlorite System was shut off to conduct an experiment for the WDNR. The Sodium Hypochlorite System was to be shut off for 3 sampling periods to determine if Cyanide was actually being treated. The experiment had to be extended because of equipment failures that were discovered after attempting to restart the Sodium Hypochlorite System. The Sodium Hypochlorite Feed Pumps (SCP-251/252) started to leak and some of their fittings and piping needed to be replaced. The ORP probes (ORPC-205/215) would not slope out correctly during recalibration. New buffer solutions needed to be obtained and the probes were recalibrated. ORP probe # 205 recalibrated, but #215 was discovered to be damaged and had to be replaced. SCP-251 was activated on August 15. ORP probe #215 was replaced on August 18 and calibrated. SCP-252 was activated on August 18. The Sodium Hypochlorite System was shut down through 5 sampling periods.

During the month of August, 2000, there were no exceedences of the WDNR effluent discharge permit.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down six times for a total of 21.92 hours in August, 2000. The shut downs were due to a clogged discharge line from CRT-211, to clean RMT-301 and FT-311, to install the new SAT-750 Tank and repair the TF-600, from a power failure, to acid clean the metals package piping, and to clean the CRT-201/211 isolation and by-pass valves. Table 1 shows the summary of the plant down times for the month of August, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
8-1-00	2	Shut Down Due to a Clogged Discharge Line From CRT-211
8-10-00	1.67	Shut Down to Clean RMT-301 & FT-311
8-22-00	2.67	Shut Down Due to Install New SAT-750 Tank & Repair TF-600
8-22/23-00	13.5	Shut Down Due to Power Failure
8-29-00	0.75	Shut Down Due to Acid Clean Metals Package Piping
8-29-00	1.33	Shut Down Due to Acid Clean CRT-201/211 Isolation & By-Pass Valves
TOTAL	**21.92**	

3.1 Shut Down Due to a Clogged Discharge Line From CRT-211

On August 1, the treatment plant was shut down to unclog the discharge line from the Cyanide Reaction Tank (CRT-211) to the Rapid Mix Tank (RMT-311). CRT-211 was partially drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-121). The access cover was removed from CRT-211 and the mixer and chemical feed pumps were shut down and isolated. The discharge line was clogged with sludge/hardness due to operating the treatment system at low flows. The access cover was removed from the Rapid Mix Tank (RMT-311) and the mixer was shut down and isolated. The discharge line was augured out using the water jetter. The tanks were put back in line, filled, and all appropriate chemical feed pumps and mixers were activated. The access covers were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 2 hours. APL Inc., WDNR, and USACE were notified.

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

On August 10, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-120). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer was cleaned in RMT-301 and the walls, floor, and mixer were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. During the cleaning of RMT-301, it was discovered that the impeller had fallen off of RTM-302. The impeller was removed from the tank and reattached to the shaft of RTM-302. All tanks were refilled using ESP-120 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 1.67 hours. APL Inc., WDNR, and USACE were notified.

3.3 Shut Down To Install a New SAT-750 Tank and Repair TF-600

On August 22, the treatment plant was shut down to install a larger Sulfuric Acid Storage Tank (SAT-750) and repair the Tertiary Filtration System (TF-600). All of the Sulfuric Acid Transfer Pumps (SAP-751/752/753) needed to be isolated so that their foot valves could be removed from

the old SAT-750 and installed on the suction lines. All of the remaining acid needed to be transferred from the old SAT-750 to the new SAT-750. All SAP's needed to be reprimed and observed to prevent them from becoming air-locked. TF-600 was drained of liquid and it's air supply was shut off. The old media up-lift tube was removed from the TF-600 and it's fittings were transferred to the new media up-lift tube. The new media up-lift tube was installed into TF-600 and a new air hose was attached. The pneumatic air-valve was taken apart, cleaned, and silicone was used to seal the leak. The pneumatic air-valve was re-assembled and TF-600 was filled with effluent. Both the pneumatic air-valve and the media up-lift tube were tested and functioned normally. Total down time was 2.67 hours. APL Inc., WDNR, and USACE were notified.

3.4 Shut Down To A Power Failure

On August 23, upon the arrival of the operator, it was discovered that the treatment plant was shut down. After a quick inspection, it was noticed that both the process and office p.c.'s were shut down. They were both re-booted and the treatment plant was restarted. The treatment plant had shut down at 4:00 P.M. on August 22. This was the same time that a thunder storm had moved through the area. The treatment plant was restarted at 5:30 A.M. on August 23. Total down time was 13.5 hours. APL Inc., WDNR, and USACE were notified.

3.5 Shut Down Due to Acid Clean Metals Package Piping

On August 29, at 7:20 A.M., the treatment plant was shut down to acid clean the metals package piping and free up the Motor Operated Valve (MOV-113) that controls the flow through the plant. An acid injection fitting was fabricated and installed near the suction end of the Treatment System Feed Pump (TFP-110) and the piping was drained. The Acid Injection Pump was connected to the acid injection fitting and 7 gallons of inhibited Muriatic Acid was added into the piping and diluted with water. It was allowed to react until MOV-113 functioned normally and the treatment system was restarted at 8:00 A.M. Total down time was 0.75 hours. APL Inc., WDNR, and USACE were notified. It was noticed that the Cyanide Reaction Systems' (CRT-201/211) isolation and by-pass valves were frozen in place.

3.6 Shut Down Due to Acid Clean CRT-201/211 Isolation & By-Pass Valves

After allowing the acid to be flushed out of the piping, the treatment system was shut down at 10:10 A.M. to remove the Cyanide Reaction Systems' (CRT-201/211) isolation and by-pass valves. Both valves were removed after the piping was drained. They were acid cleaned, inspected, and lubricated. They were re-installed, tested, and the treatment plant was restarted at 11:30 A.M. Total down time was 1.33 hours. APL Inc., WDNR, and USACE were notified.

4.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on August 7, 14, 21, and 28 of 2000. The laboratory results of these samples showed that there were no exceedences of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of August, 2000, the plant was shut down six times for a total of 21.92 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 September 15, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	8-7-00	
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	7.8	Monitor	
TSS	3.5/3	NT	NT	NT	2.5	Monitor	mg/l
Arsenic	ND/ND	NT	NT	NT	ND	5	
Barium	110/120	NT	NT	NT	10	400	
Cadmium	ND/ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND/ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND/ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND/ND	NT	NT	NT	8	10	
Copper	ND/9	NT	NT	NT	ND	Monitor	
Iron	1000/2100	NT	NT	NT	80	Monitor	
Lead	ND/ND	NT	NT	NT	ND	1.5	
Manganese	160/190	NT	NT	NT	ND	Monitor	
Mercury	.2/ND	NT	NT	NT	ND	0.2	
Nickel	30/60	NT	NT	NT	ND	20	
Selenium	ND/ND	NT	NT	NT	ND	10	
Silver	4/ND	NT	NT	NT	ND	10	
Thallium	ND/ND	NT	NT	NT	ND	0.4	
Zinc	30/50	NT	NT	NT	20	Monitor	
Cyanide	18/13	NT	NT	NT	9	40	*
Cyanide Amenable	ND/ND	NT	NT	NT	ND	Monitor	*
1,1-Dichloroethane	34/35	NT	ND	ND	ND	85	
1,2-Dichloroethane	ND/ND	NT	ND	ND	ND	0.5	
1,1-Dichloroethene	13/13	NT	ND	ND	ND	0.7	
1,2-Dichloroethene Cis	53/54	NT	ND	ND	ND	7	
1,2-Dichloroethene Trans	18/17	NT	ND	ND	ND	20	
Ethylbenzene	ND/ND	NT	ND	ND	ND	140	
Methylene Chloride	ND/ND	NT	ND	ND	ND	0.5	
Tetrachloroethene	4.6/4.6	NT	ND	ND	ND	0.5	
Toluene	ND/ND	NT	ND	ND	ND	68	
1,1,1-Trichloroethane	181/182	NT	ND	ND	ND	40	
1,1,2-Trichloroethane	ND/ND	NT	ND	ND	ND	0.5	
TCE	579/588	NT	0.77	ND	ND	0.5	
Vinyl Chloride	ND/ND	NT	ND	ND	ND	0.2	
Xylene Total	ND/ND	NT	ND	ND	ND	124	
COD	24/18	NT	NT	NT	11	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	ND	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.8	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	ND	Monitor	mg/l

Sodium Hypochlorite is deactivated for a special WDNR test.--Authorized by Paul Kozol, WDNR & Steve Brossart, USACE.

Influent was split sampled.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	8-14-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	7.6	N/A	N/A	7.1	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	11	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	1220	NT	NT	NT	84	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	180	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	36	NT	NT	NT	ND	20	
Selenium	6.1	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	15	NT	NT	NT	ND	Monitor	
Cyanide	13	NT	NT	NT	8	40	*
Cyanide Amenable	ND	NT	NT	NT	ND	Monitor	*
1,1-Dichloroethane	37	NT	ND	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	57	NT	ND	ND	ND	7	
1,2-Dichloroethene Trans	18	NT	ND	ND	ND	20	
Ethylbenzene	ND	NT	ND	ND	ND	140	
Methylene Chloride	ND	NT	ND	ND	ND	0.5	
Tetrachloroethene	4.9	NT	ND	ND	ND	0.5	
Toluene	ND	NT	ND	ND	ND	68	
1,1,1-Trichloroethane	211	NT	ND	ND	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND	0.5	
TCE	619	NT	0.38	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

Sodium Hypochlorite is deactivated for a special WDNR test.--Authorized by Paul Kozol, WDNR & Steve Brossart, USACE.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	8-21-00	
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	7.9	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	97	NT	NT	NT	8	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	1150	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	162	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	24	NT	NT	NT	ND	20	
Selenium	7.9	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	25	NT	NT	NT	ND	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Amenable	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	14	NT	ND	ND	ND	0.7	
1,2-Dichloroethene Cis	54	NT	ND	ND	ND	7	
1,2-Dichloroethene Trans	17	NT	ND	ND	ND	20	
Ethylbenzene	ND	NT	ND	ND	ND	140	
Methylene Chloride	ND	NT	ND	ND	ND	0.5	
Tetrachloroethene	4.2	NT	ND	ND	ND	0.5	
Toluene	ND	NT	ND	ND	ND	68	
1,1,1-Trichloroethane	196	NT	ND	ND	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	ND	ND	0.5	
TCE	583	NT	ND	ND	ND	0.5	
Vinyl Chloride	ND	NT	ND	ND	ND	0.2	
Xylene Total	ND	NT	ND	ND	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	8-28-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.2	11.4	N/A	N/A	7.7	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	90	NT	NT	NT	<7	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	928	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	146	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	27	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	4	NT	NT	NT	<4	10	
Thallium	<1.7	NT	NT	NT	<1.7	0.4	
Zinc	<14	NT	NT	NT	15	Monitor	
Cyanide	13	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	28	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<3.5	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	14	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	45	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	19	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<2.5	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<3	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	6.7	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	182	NT	<0.31	<0.31	0.37	40	
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5	
TCE	564	NT	0.37	<0.34	<0.34	0.5	
Vinyl Chloride	<2	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<5.3	NT	<0.53	<0.53	<0.53	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

FLOW FROM EXTRACTION WELLS

YEAR: 2000

MONTH: AUG. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	350,798.90	26,146.60	0.026	SHUT DOWN
2	376,945.50	30,689.40	0.031	
3	407,634.90	25,060.80	0.025	
4	432,695.70	19,995.00	0.020	
5	452,690.70	32,676.70	0.033	
6	485,367.40	31,701.50	0.032	
7	517,068.90	27,973.90	0.028	
8	545,042.80	29,456.60	0.029	
9	574,499.40	26,122.70	0.026	
10	600,622.10	27,942.00	0.028	
11	628,564.10	23,575.70	0.024	
12	652,139.80	26,801.10	0.027	
13	678,940.90	28,853.90	0.029	
14	707,794.80	26,507.40	0.027	
15	734,302.20	28,898.70	0.029	
16	763,200.90	27,581.00	0.028	
17	790,781.90	27,232.00	0.027	
18	818,013.90	17,283.70	0.017	
19	835,297.60	33,292.50	0.033	
20	868,590.10	29,128.00	0.029	
21	897,718.10	26,470.70	0.026	
22	924,188.80	12,746.90	0.013	SHUT DOWN
23	936,935.70	26,189.70	0.026	SHUT DOWN
24	963,125.40	29,803.90	0.030	
25	992,929.30	27,557.70	0.028	
26	1,020,487.00	28,521.00	0.029	
27	1,049,008.00	31,943.00	0.032	SHUT DOWN
28	1,080,951.00	25,031.00	0.025	
29	1,105,982.00	28,906.00	0.029	SHUT DOWN
30	1,134,888.00	30,825.00	0.031	SHUT DOWN
31	1,165,713.00	32,377.00	0.032	
September 01	1,198,090.00			
		TOTAL	0.849	
		AVERAGE	0.027	

FLOW FROM EQT-100

YEAR: 2000				
MONTH: AUG. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	5,105,270.00	38,753.00	0.039	SHUT DOWN
2	5,144,023.00	41,974.00	0.042	
3	5,185,997.00	35,259.00	0.035	
4	5,221,256.00	27,928.00	0.028	
5	5,249,184.00	45,678.00	0.046	
6	5,294,862.00	46,137.00	0.046	
7	5,340,999.00	43,009.00	0.043	
8	5,384,008.00	43,072.00	0.043	
9	5,427,080.00	32,998.00	0.033	
10	5,460,078.00	38,630.00	0.039	SHUT DOWN
11	5,498,708.00	32,179.00	0.032	
12	5,530,887.00	36,847.00	0.037	
13	5,567,734.00	40,429.00	0.040	
14	5,608,163.00	37,466.00	0.037	
15	5,645,629.00	39,566.00	0.040	
16	5,685,195.00	36,839.00	0.037	
17	5,722,034.00	36,542.00	0.037	
18	5,758,576.00	23,010.00	0.023	
19	5,781,586.00	44,422.00	0.044	
20	5,826,008.00	39,313.00	0.039	
21	5,865,321.00	34,619.00	0.035	
22	5,899,940.00	17,134.00	0.017	SHUT DOWN
23	5,917,074.00	35,926.00	0.036	SHUT DOWN
24	5,953,000.00	37,301.00	0.037	
25	5,990,301.00	33,654.00	0.034	
26	6,023,955.00	35,252.00	0.035	
27	6,059,207.00	42,146.00	0.042	
28	6,101,353.00	36,668.00	0.037	
29	6,138,021.00	42,780.00	0.043	SHUT DOWN
30	6,180,801.00	41,543.00	0.042	
31	6,222,344.00	45,783.00	0.046	
September 01	6,268,127.00			
		TOTAL	1.164	
		AVERAGE	0.038	

EFFLUENT FLOW FROM PLANT

YEAR: 2000

MONTH: AUG. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	5,372,026.00	14,658.00	29,316.00	0.029	SHUT DOWN
2	5,386,684.00	16,490.00	32,980.00	0.033	
3	5,403,174.00	13,016.00	26,032.00	0.026	
4	5,416,190.00	11,007.00	22,014.00	0.022	
5	5,427,197.00	16,077.00	32,154.00	0.032	
6	5,443,274.00	13,706.00	27,412.00	0.027	
7	5,456,980.00	17,945.00	35,890.00	0.036	
8	5,474,925.00	16,314.00	32,628.00	0.033	
9	5,491,239.00	11,971.00	23,942.00	0.024	
10	5,503,210.00	15,515.00	31,030.00	0.031	SHUT DOWN
11	5,518,725.00	13,870.00	27,740.00	0.028	
12	5,532,595.00	12,729.00	25,458.00	0.025	
13	5,545,324.00	16,451.00	32,902.00	0.033	
14	5,561,775.00	15,291.00	30,582.00	0.031	
15	5,577,066.00	14,741.00	29,482.00	0.029	
16	5,591,807.00	14,688.00	29,376.00	0.029	
17	5,606,495.00	14,009.00	28,018.00	0.028	
18	5,620,504.00	10,096.00	20,192.00	0.020	
19	5,630,600.00	16,960.00	33,920.00	0.034	
20	5,647,560.00	15,983.00	31,966.00	0.032	
21	5,663,543.00	12,613.00	25,226.00	0.025	
22	5,676,156.00	4,921.00	9842.00	0.010	SHUT DOWN
23	5,681,077.00	14,099.00	28198.00	0.028	SHUT DOWN
24	5,695,176.00	14,240.00	28480.00	0.028	
25	5,709,416.00	13,857.00	27714.00	0.028	
26	5,723,273.00	13,301.00	26602.00	0.027	
27	5,736,574.00	16,397.00	32794.00	0.033	
28	5,752,971.00	14,344.00	28688.00	0.029	
29	5,767,315.00	15,928.00	31856.00	0.032	SHUT DOWN
30	5,783,243.00	15,278.00	30556.00	0.031	
31	5,798,521.00	16,193.00	32386.00	0.032	
September 01	5,814,714.00				
			TOTAL	0.885	
			AVERAGE	0.029	

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL		FEET		
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
July 31, 1998	6.64	DRY	3.74	4.26	8.00	COVERED
Aug. 31, 1998	7.70	DRY	DRY	5.34	8.70	COVERED
Sept. 17, 1998	7.50	DRY	DRY	5.00	8.66	COVERED
Oct. 7, 1998	6.50	DRY	3.75	4.10	8.34	COVERED
Nov. 23, 1998	6.66	DRY	DRY	4.37	8.17	COVERED
Dec. 15, 1998	5.90	DRY	3.40	3.75	8.20	COVERED
Jan. 18, 1999	6.60	DRY	3.75	4.72	8.25	COVERED
Feb. 3, 1999	5.36	6.10	3.15	2.90	7.15	COVERED
Mar. 3-4, 1999	5.51	DRY	3.20	3.04	7.40	COVERED
Apr. 15, 1999	5.30	6.20	3.25	4.40	6.92	COVERED
May 10, 1999	5.50	6.35	3.35	3.40	7.05	COVERED
June 18, 1999	4.95	6.05	3.00	3.22	6.81	COVERED
July 13, 1999	6.30	DRY	3.80	4.05	7.90	COVERED
August 06, 1999	6.37	DRY	3.58	4.00	7.65	COVERED
Sept. 15, 20, 1999	7.68	DRY	DRY	5.60	DRY	COVERED
October 06, 1999	6.60	DRY	3.84	4.14	DRY	COVERED
November 9,1999	7.78	DRY	DRY	5.48	DRY	COVERED
December 6-7, 1999	6.70	DRY	DRY	4.50	DRY	COVERED
January 7, 2000	7.50	DRY	DRY	5.10	DRY	COVERED
February 7, 2000	7.60	DRY	DRY	5.25	DRY	COVERED
March 8, 2000	6.81	6.40	4.30	4.24	6.82	COVERED
April 6, 2000	6.95	6.16	4.42	4.87	6.42	COVERED
May 3, 2000	6.63	DRY	3.98	4.42	DRY	COVERED
June 1, 2000	4.40	3.14	4.30	2.36	6.26	COVERED
July 3, 2000	4.97	4.81	2.84	2.85	DRY	COVERED
August 3, 2000	6.94	DRY	4.85	4.46	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
June 6-7, 2000	3.27	2.20	4.23	1.52	8.98	2.51
July 3, 2000	4.30	2.09	2.10	2.16	8.85	2.50
August 3, 2000	5.03	3.98	5.93	3.41	10.89	4.41

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53224-9008
Phone: (414) 355-5800 Fax: (414) 355-3099

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000609**
DATE REPORTED: 31-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Nova Sample Number: 20852
Client ID: **000821WA01P**
Collection: 8/21/2000 Time: 09:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	J	5.6	18	206.2	tm	8/24/2000	994992	
Barium - ICAP	0.097	mg/l	RJ	0.007	0.02	200.7	tm	8/22/2000	995028	
Cadmium - Furnace AA	<0.7	ug/l	J TTR	0.7	2.2	213.2	tm	8/25/2000	995039	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	8/22/2000	995028	
Copper- ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	8/22/2000	995028	
Iron - ICAP	1.15	mg/l	RJ	0.081	0.26	200.7	tm	8/22/2000	995028	
Lead - Furnace AA	<1.5	ug/l	J	1.5	4.8	239.2	tm	8/24/2000	994990	
Manganese - ICAP	0.161	mg/l	RJ	0.006	0.02	200.7	tm	8/22/2000	995028	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	8/24/2000	995023	
Nickel - ICAP	0.024	mg/l	J RJ	0.011	0.03	200.7	tm	8/22/2000	995028	
Selenium - Furnace AA	7.938	ug/l	J	4.8	15	270.2	tm	8/22/2000	995005	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	8/22/2000	995028	
Thallium - Furnace AA	<1.7	ug/l	J	1.7	5.4	279.2	tm	8/22/2000	995000	
Zinc - ICAP	0.025	mg/l	J RJ	0.014	0.04	200.7	tm	8/22/2000	995028	
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	8/22/2000	995057	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	8/29/2000	995069	
Cyanide, Total	<0.006	mg/l	J	0.006	0.02	335.2	dmd	8/29/2000	995070	
pH (water)	7.3	s.u.	#			150.1	tn	8/22/2000	995007	

Nova Sample Number: 20853
Client ID: **000821WA09R**
Collection: 8/21/2000 Time: 09:28
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	J	5.6	18	206.2	tm	8/24/2000	994992	
Barium - ICAP	0.008	mg/l	J RJ	0.007	0.02	200.7	tm	8/22/2000	995028	
Cadmium - Furnace AA	<0.7	ug/l	J TTR	0.7	2.2	213.2	tm	8/25/2000	995039	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	8/22/2000	995028	
Copper- ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	8/22/2000	995028	
Iron - ICAP	<0.081	mg/l	J RJ	0.081	0.26	200.7	tm	8/22/2000	995028	
Lead - Furnace AA	<1.5	ug/l	J	1.5	4.8	239.2	tm	8/24/2000	994990	
Manganese - ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	8/22/2000	995028	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	8/24/2000	995023	
Nickel - ICAP	<0.011	mg/l	J RJ	0.011	0.03	200.7	tm	8/22/2000	995028	

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53224-9008
Phone: (414) 355-5800 Fax: (414) 355-3099

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000609**
DATE REPORTED: 31-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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**	*J*	4.8	15	270.2	tm	8/22/2000	*995005*	
Silver - ICAP	**<0.004**	**mg/l**	*J RJ*	0.004	0.01	200.7	tm	8/22/2000	*995028*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J*	1.7	5.4	279.2	tm	8/22/2000	*995000*	
Zinc - ICAP	**<0.014**	**mg/l**	*J RJ*	0.014	0.04	200.7	tm	8/22/2000	*995028*	
Nova Sample Number: 20854										
Client ID: **000821WA02P**								Collection: 8/21/2000		Time: 09:15
								Sample Description:		
pH (water)	**9.7**	**s.u.**	#			150.1	tn	8/21/2000	*994993*	
Nova Sample Number: 20855										
Client ID: **000821WA03P**								Collection: 8/21/2000		Time: 09:17
								Sample Description:		
pH (water)	**11.2**	**s.u.**	#			150.1	tn	8/21/2000	*994993*	
Nova Sample Number: 20856										
Client ID: **000821WA05P**								Collection: 8/21/2000		Time: 09:20
								Sample Description:		
pH (water)	**8.5**	**s.u.**	#			150.1	tn	8/21/2000	*994993*	
Nova Sample Number: 20860										
Client ID: **000821WA09P**								Collection: 8/21/2000		Time: 09:30
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	8/22/2000	*995057*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	8/29/2000	*995069*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	8/29/2000	*995070*	
pH (water)	**7.9**	**s.u.**	#			150.1	tn	8/21/2000	*994993*	

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53224-9008
Phone: (414) 355-5800 Fax: (414) 355-3099

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000609
DATE REPORTED: 31-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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:** 8/31/0
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
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000609**
DATE REPORTED: 23-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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
Sample Number: 20852			QC Prep Batch Number: 995012				*Sample analyzed within* 1 *Day(s) from collection.*			
Client ID: 000821WA01P	Sample Description:						*Collection:* 8/21/2000 *Time:* 09:10			
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	8/22/2000
1,1,1-Trichloroethane	196	ug/l	3.1	9.9	40	10		8260	cps	8/22/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	8/22/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	8/22/2000
1,1-Dichloroethane	36	ug/l	3.2	10	85	10		8260	cps	8/22/2000
1,1-Dichloroethene	14	ug/l	3.4	11	0.7	10		8260	cps	8/22/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	8/22/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	8/22/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	8/22/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	8/22/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/22/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	8/22/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	8/22/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	8/22/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	8/22/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	8/22/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	8/22/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	8/22/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	8/22/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	8/22/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	8/22/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	8/22/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	8/22/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/22/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	8/22/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	8/22/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	8/22/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/22/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/22/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	8/22/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	8/22/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	8/22/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	8/22/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/22/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	8/22/2000
Chloroethane	< 6.4	ug/l	6.4	20	80	10		8260	cps	8/22/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	8/22/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	8/22/2000
cis-1,2-Dichloroethene	54	ug/l	2.7	8.6	7	10		8260	cps	8/22/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	8/22/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000609**
DATE REPORTED: 23-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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	8/22/2000
Dibromomethane	<4.6	ug/l	4.6	15	ns	10		8260	cps	8/22/2000
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	200	10		8260	cps	8/22/2000
Ethylbenzene	<2.5	ug/l	2.5	8	140	10		8260	cps	8/22/2000
Hexachlorobutadiene	<4.2	ug/l	4.2	13	ns	10		8260	cps	8/22/2000
Isopropyl Ether	<3	ug/l	3	9.5	ns	10		8260	cps	8/22/2000
Isopropylbenzene	<3.3	ug/l	3.3	10	ns	10		8260	cps	8/22/2000
m&p-xylene	<5.3	ug/l	5.3	17	124	10		8260	cps	8/22/2000
Methyl-t-butyl ether	<3.9	ug/l	3.9	12	12	10		8260	cps	8/22/2000
Methylene chloride	<3	ug/l	3	9.5	0.5	10		8260	cps	8/22/2000
n-Butylbenzene	<3.6	ug/l	3.6	11	ns	10		8260	cps	8/22/2000
n-Propylbenzene	<2.8	ug/l	2.8	8.9	ns	10		8260	cps	8/22/2000
Naphthalene	<7.5	ug/l	7.5	24	8	10		8260	cps	8/22/2000
o-xylene	<2.5	ug/l	2.5	8	124	10		8260	cps	8/22/2000
p-Isopropyltoluene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/22/2000
sec-Butylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	8/22/2000
Styrene	<2.5	ug/l	2.5	8	10	10		8260	cps	8/22/2000
tert-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	8/22/2000
Tetrachloroethene	4.2	ug/l	3.1	9.9	0.5	10	J	8260	cps	8/22/2000
Toluene	<2.9	ug/l	2.9	9.2	68.6	10		8260	cps	8/22/2000
trans-1,2-Dichloroethene	17	ug/l	2.5	8	20	10		8260	cps	8/22/2000
trans-1,3-Dichloropropene	<2.6	ug/l	2.6	8.3	0.02	10		8260	cps	8/22/2000
Trichloroethene	583	ug/l	3.4	11	0.5	10		8260	cps	8/22/2000
Trichlorofluoromethane	<2.4	ug/l	2.4	7.6	ns	10		8260	cps	8/22/2000
Vinyl chloride	<2	ug/l	2	6.4	0.02	10		8260	cps	8/22/2000

Sample Number: **20857** QC Prep Batch Number: 995012 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000821WA07P** Sample Description: *Collection: 8/21/2000 Time: 09:23*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/22/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	8/22/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/22/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/22/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	8/22/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/22/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/22/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/22/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/22/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	8/22/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/22/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	8/22/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/22/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000609**
DATE REPORTED: 23-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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	8/22/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/22/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/22/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/22/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/22/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/22/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/22/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/22/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/22/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/22/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/22/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/22/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/22/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/22/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/22/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/22/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/22/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/22/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/22/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/22/2000
Chloroform	0.3	ug/l	0.24	0.76	0.6	1	J	8260	cps	8/22/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/22/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/22/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/22/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/22/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/22/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/22/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/22/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/22/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/22/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/22/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/22/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/22/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/22/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/22/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/22/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/22/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/22/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/22/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/22/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000609**
DATE REPORTED: 23-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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	8/22/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/22/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/22/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/22/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/22/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/22/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/22/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	8/22/2000
Sample Number: **20858**			QC Prep Batch Number:		995012		*Sample analyzed within*	*1*	*Day(s) from collection.*	
Client ID: **000821WA08P** Sample Description:							*Collection:*	*8/21/2000*	*Time:*	*09:25*
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/22/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/22/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/22/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/22/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/22/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/22/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/22/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/22/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/22/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/22/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/22/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/22/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/22/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/22/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/22/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/22/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/22/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/22/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/22/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/22/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/22/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/22/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/22/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/22/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/22/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/22/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/22/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/22/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000609**
DATE REPORTED: 23-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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	8/22/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/22/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/22/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/22/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/22/2000
Chloroform	0.39	ug/l	0.24	0.76	0.6	1	J	8260	cps	8/22/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/22/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/22/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/22/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/22/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/22/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/22/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/22/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/22/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/22/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/22/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/22/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/22/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/22/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/22/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/22/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/22/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/22/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/22/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/22/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/22/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/22/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/22/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/22/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/22/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/22/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	8/22/2000

Sample Number: **20859** QC Prep Batch Number: 995012 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 8/21/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/22/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/22/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/22/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/22/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/22/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000609**
DATE REPORTED: 23-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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	8/22/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/22/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/22/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/22/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/22/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/22/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/22/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/22/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/22/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/22/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/22/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/22/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/22/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/22/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/22/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/22/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/22/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/22/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/22/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/22/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/22/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/22/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/22/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/22/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/22/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/22/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/22/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/22/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/22/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/22/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/22/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/22/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/22/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/22/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/22/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/22/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/22/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/22/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/22/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000609**
DATE REPORTED: 23-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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	8/22/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/22/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/22/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/22/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	8/22/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	8/22/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/22/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/22/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	8/22/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/22/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/22/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	8/22/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/22/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/22/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/22/2000
Vinyl chloride	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	8/22/2000

Sample Number: **20860** QC Prep Batch Number: 995012 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000821WA09P** Sample Description: *Collection: 8/21/2000 Time: 09:30*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/22/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	8/22/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/22/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/22/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	8/22/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/22/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/22/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/22/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/22/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	8/22/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/22/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	8/22/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/22/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1	0.5	1		8260	cps	8/22/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/22/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	125	1		8260	cps	8/22/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/22/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	15	1		8260	cps	8/22/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1	0.02	1		8260	cps	8/22/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/22/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	8/22/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000609**
DATE REPORTED: 23-Aug-00
DATE RECEIVED: 21-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
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	8/22/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/22/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/22/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/22/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/22/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/22/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/22/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/22/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/22/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/22/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/22/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/22/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/22/2000
Chloroform	0.43	ug/l	0.24	0.76	0.6	1	J	8260	cps	8/22/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/22/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/22/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/22/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/22/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/22/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/22/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/22/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/22/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/22/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/22/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/22/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/22/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/22/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/22/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/22/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/22/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/22/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/22/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/22/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/22/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/22/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/22/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/22/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/22/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/22/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/22/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	8/22/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000609**
DATE REPORTED:	23-Aug-00
DATE RECEIVED:	21-Aug-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
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:** 8/23/00
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.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

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

BATCH NUMBER: **20000599**
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 14-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Sampling

Sample Number: **20813** QC Prep Batch Number: 994967 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **000814WA01P** Sample Description: *Collection: 8/14/2000 Time: 08:45*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	8/16/2000
1,1,1-Trichloroethane	211	ug/l	3.1	9.9	40	10		8260	cps	8/16/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	8/16/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	8/16/2000
1,1-Dichloroethane	37	ug/l	3.2	10	85	10		8260	cps	8/16/2000
1,1-Dichloroethene	13	ug/l	3.4	11	0.7	10		8260	cps	8/16/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	8/16/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	8/16/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	8/16/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	8/16/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/16/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	8/16/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	8/16/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	8/16/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	8/16/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	8/16/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	8/16/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	8/16/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	8/16/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	8/16/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	8/16/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	8/16/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	8/16/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/16/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	8/16/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	8/16/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	8/16/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/16/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/16/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	8/16/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	8/16/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	8/16/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	8/16/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/16/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	8/16/2000
Chloroethane	< 6.4	ug/l	6.4	20	80	10		8260	cps	8/16/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	8/16/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	8/16/2000
cis-1,2-Dichloroethene	57	ug/l	2.7	8.6	7	10		8260	cps	8/16/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	8/16/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000599**
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 14-Aug-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	< 4.1	ug/l	4.1	13	6	10		8260	cps	8/16/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	8/16/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	8/16/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	8/16/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	8/16/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	8/16/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	8/16/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	8/16/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	8/16/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	8/16/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	8/16/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	8/16/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	8/16/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	8/16/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/16/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	8/16/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	8/16/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/16/2000
Tetrachloroethene	4.9	ug/l	3.1	9.9	0.5	10	J	8260	cps	8/16/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	8/16/2000
trans-1,2-Dichloroethene	18	ug/l	2.5	8	20	10		8260	cps	8/16/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	8/16/2000
Trichloroethene	619	ug/l	3.4	11	0.5	10		8260	cps	8/16/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	8/16/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	8/16/2000

Sample Number: **20818** QC Prep Batch Number: 994967 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 8/14/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/16/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/16/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/16/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/16/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/16/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/16/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/16/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/16/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/16/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/16/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/16/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/16/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/16/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000599**
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 14-Aug-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	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/16/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/16/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/16/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/16/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/16/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/16/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/16/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/16/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/16/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/16/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/16/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/16/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/16/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/16/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/16/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/16/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/16/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/16/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/16/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/16/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/16/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/16/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/16/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/16/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/16/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/16/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/16/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/16/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/16/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/16/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/16/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/16/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/16/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/16/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/16/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/16/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/16/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/16/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/16/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/16/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/16/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000599**
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 14-Aug-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	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/16/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/16/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/16/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/16/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/16/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/16/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/16/2000

Sample Number: **20819** QC Prep Batch Number: 994967 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00814WA07P** Sample Description: *Collection: 8/14/2000 Time: 08:57*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/16/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/16/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/16/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/16/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/16/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/16/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/16/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/16/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/16/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/16/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/16/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/16/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/16/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/16/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/16/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/16/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/16/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/16/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/16/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/16/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/16/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/16/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/16/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/16/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/16/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/16/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/16/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/16/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/16/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000599**
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 14-Aug-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	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/16/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/16/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/16/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/16/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/16/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/16/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/16/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/16/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/16/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/16/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/16/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/16/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/16/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/16/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/16/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/16/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/16/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/16/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/16/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/16/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/16/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/16/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/16/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/16/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/16/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/16/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/16/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/16/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/16/2000
Trichloroethene	0.38	ug/l	0.34	1.1	0.5	1	J	8260	cps	8/16/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/16/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/16/2000

Sample Number: **20820** QC Prep Batch Number: 994967 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00814WA08P** Sample Description: *Collection: 8/14/2000 Time: 09:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/16/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/16/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/16/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/16/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/16/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000599**
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 14-Aug-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	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/16/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/16/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/16/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/16/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/16/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/16/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/16/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/16/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/16/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/16/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/16/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/16/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/16/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/16/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/16/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/16/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/16/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/16/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/16/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/16/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/16/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/16/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/16/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/16/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/16/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/16/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/16/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/16/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/16/2000
Chloroform	0.4	ug/l	0.24	0.76	0.6	1	J	8260	cps	8/16/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/16/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/16/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/16/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/16/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/16/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/16/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/16/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/16/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/16/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/16/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000599**
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 14-Aug-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	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/16/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/16/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/16/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/16/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/16/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/16/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/16/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/16/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/16/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/16/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/16/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/16/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/16/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/16/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/16/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/16/2000

Sample Number: **20821** QC Prep Batch Number: 994967 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **00814WA09P** Sample Description: *Collection: 8/14/2000 Time: 09:15*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/16/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/16/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/16/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/16/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/16/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/16/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/16/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/16/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/16/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/16/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/16/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/16/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/16/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/16/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/16/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/16/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/16/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/16/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/16/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/16/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/16/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	20000599
DATE REPORTED:	17-Aug-00
DATE RECEIVED:	14-Aug-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	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/16/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/16/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/16/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/16/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/16/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/16/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/16/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/16/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/16/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/16/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/16/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/16/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/16/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/16/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/16/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/16/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/16/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/16/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/16/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/16/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/16/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/16/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/16/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/16/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/16/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/16/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/16/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/16/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/16/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/16/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/16/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/16/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/16/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/16/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/16/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/16/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/16/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/16/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/16/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/16/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/16/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000599**
DATE REPORTED:	17-Aug-00
DATE RECEIVED:	14-Aug-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** 8 30 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 Environmental
8222 W. Calumet Rd., Milwaukee, WI 53224-9008
Phone: (414) 355-5800 Fax: (414) 355-3099

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000599
DATE REPORTED: 30-Aug-00
DATE RECEIVED: 14-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Samplin

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

Nova Sample Number: 20813
Client ID: **000814WA01P**
Collection: 8/14/2000 Time: 08:45
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	J	5.6	18	206.2	tm	8/24/2000	994992	
Barium - ICAP	0.112	mg/l	RJ	0.007	0.02	200.7	tm	8/15/2000	994936	
Cadmium - Furnace AA	<0.7	ug/l	J TTR	0.7	2.2	213.2	tm	8/15/2000	994939	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	8/15/2000	994936	
Copper- ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	8/15/2000	994936	
Iron - ICAP	1.22	mg/l	RJ	0.081	0.26	200.7	tm	8/15/2000	994936	
Lead - Furnace AA	<1.5	ug/l	J	1.5	4.8	239.2	tm	8/24/2000	994990	
Manganese - ICAP	0.184	mg/l	RJ	0.006	0.02	200.7	tm	8/15/2000	994936	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	8/20/2000	994980	
Nickel - ICAP	0.036	mg/l	RJ	0.011	0.03	200.7	tm	8/15/2000	994936	
Selenium - Furnace AA	6.134	ug/l	J	4.8	15	270.2	tm	8/22/2000	995005	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	8/15/2000	994936	
Thallium - Furnace AA	<1.7	ug/l	J	1.7	5.4	279.2	tm	8/22/2000	995000	
Zinc - ICAP	0.015	mg/l	J RJ	0.014	0.04	200.7	tm	8/15/2000	994936	
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	8/15/2000	994947	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	8/16/2000	994953	
Cyanide, Total	0.013	mg/l	J	0.006	0.02	335.2	dmd	8/16/2000	994950	
pH (water)	7.4	s.u.	#			150.1	jc	8/14/2000	994940	

Nova Sample Number: 20814
Client ID: **000814WA09R**
Collection: 8/14/2000 Time: 09:03
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	J	5.6	18	206.2	tm	8/24/2000	994992	
Barium - ICAP	0.011	mg/l	J RJ	0.007	0.02	200.7	tm	8/15/2000	994936	
Cadmium - Furnace AA	<0.7	ug/l	J TTR	0.7	2.2	213.2	tm	8/15/2000	994939	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	8/15/2000	994936	
Copper- ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	8/15/2000	994936	
Iron - ICAP	0.084	mg/l	J RJ	0.081	0.26	200.7	tm	8/15/2000	994936	
Lead - Furnace AA	<1.5	ug/l	J	1.5	4.8	239.2	tm	8/24/2000	994990	
Manganese - ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	8/15/2000	994936	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	8/20/2000	994980	
Nickel - ICAP	<0.011	mg/l	J RJ	0.011	0.03	200.7	tm	8/15/2000	994936	

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53224-9008
Phone: (414) 355-5800 Fax: (414) 355-3099

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000599
DATE REPORTED: 30-Aug-00
DATE RECEIVED: 14-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Samplin

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**	*J*	4.8	15	270.2	tm	8/22/2000	*995005*	
Silver - ICAP	**<0.004**	**mg/l**	*J RJ*	0.004	0.01	200.7	tm	8/15/2000	*994936*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J*	1.7	5.4	279.2	tm	8/22/2000	*995000*	
Zinc - ICAP	**<0.014**	**mg/l**	*J RJ*	0.014	0.04	200.7	tm	8/15/2000	*994936*	
Nova Sample Number: 20815										
Client ID: **000814WA02P**								Collection: 8/14/2000		Time: 08:50
								Sample Description:		
pH (water)	**10.0**	**s.u.**	#			150.1	jc	8/14/2000	*994940*	
Nova Sample Number: 20816										
Client ID: **000814WA03P**								Collection: 8/14/2000		Time: 08:52
								Sample Description:		
pH (water)	**11.5**	**s.u.**	#			150.1	jc	8/14/2000	*994940*	
Nova Sample Number: 20817										
Client ID: **000814WA05P**								Collection: 8/14/2000		Time: 08:55
								Sample Description:		
pH (water)	**7.6**	**s.u.**	#			150.1	jc	8/14/2000	*994940*	
Nova Sample Number: 20821										
Client ID: **00814WA09P**								Collection: 8/14/2000		Time: 09:15
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	8/15/2000	*994947*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	8/16/2000	*994953*	
Cyanide, Total	**0.008**	**mg/l**	*J*	0.006	0.02	335.2	dmd	8/16/2000	*994950*	
pH (water)	**7.1**	**s.u.**	#			150.1	jc	8/14/2000	*994940*	
Nova Sample Number: 20822										
Client ID: **000811SC13P**								Collection: 8/14/2000		Time: 07:15
								Sample Description:		
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J TC*	0.008	0.03	200.7	tm	8/24/2000	*994987*	
Copper- ICAP	**0.008**	**mg/l**	*J TC*	0.006	0.02	200.7	tm	8/24/2000	*994987*	
Lead - ICAP	**<0.049**	**mg/l**	*J TC*	0.049	0.16	200.7	tm	8/24/2000	*994987*	
Nickel - ICAP	**<0.011**	**mg/l**	*J TC*	0.011	0.03	200.7	tm	8/24/2000	*994987*	
Silver - ICAP	**<0.004**	**mg/l**	*J TC*	0.004	0.01	200.7	tm	8/24/2000	*994987*	
Cyanide, Reactive	**<0.031**	**mg/l**	*J*	0.031	0.10	335.2	dmd	8/16/2000	*994949*	
Free Liquids (paint filter test)	**pass**		#			9095	tn	8/16/2000	*994960*	

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53224-9008
Phone: (414) 355-5800 Fax: (414) 355-3099

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000599
DATE REPORTED: 30-Aug-00
DATE RECEIVED: 14-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Weekly Samplin

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	**10.48**	**s.u.**	#			150.1	tn	8/16/2000	*994955*	
Specific Gravity	**1.27**	**s.u.**	#			SM 2710 F	tn	8/16/2000	*994959*	
TCLP extraction	**done**		#			1311	tn	8/17/2000	*994961*	

Approved By: _____ **Date:** 8/31/00
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*
TC *Result is expressed as concentration of TCLP extract.*
TTR *Result expressed as total and total recoverable.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
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 Environmental
8222 W. Calumet Rd., Milwaukee, WI 53224-9008
Phone: (414) 355-5800 Fax: (414) 355-3099

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000582**
DATE REPORTED: 30-Aug-00
DATE RECEIVED: 07-Aug-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: 20751
Client ID: **000807WA01P**
Collection: 8/7/2000 Time: 08:40
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	J RJ	5.6	18	206.2	tm	8/7/2000	994861	
Barium - ICAP	0.106	mg/l	RJ	0.007	0.02	200.7	tm	8/10/2000	994904	
Cadmium - Furnace AA	<0.7	ug/l	J RJ	0.7	2.2	213.2	tm	8/11/2000	994906	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	8/10/2000	994904	
Copper- ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	8/10/2000	994904	
Iron - ICAP	1.03	mg/l	RJ	0.081	0.26	200.7	tm	8/10/2000	994904	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	8/10/2000	994894	
Manganese - ICAP	0.162	mg/l	RJ	0.006	0.02	200.7	tm	8/10/2000	994904	
Mercury CV	0.000230	mg/l	J RJ	0.0002	0.0006	245.1	tm	8/9/2000	994893	
Nickel - ICAP	0.029	mg/l	J RJ	0.011	0.03	200.7	tm	8/10/2000	994904	
Selenium - Furnace AA	<4.8	ug/l	J	4.8	15	270.2	tm	8/8/2000	994865	
Silver - ICAP	0.004	mg/l	J RJ	0.004	0.01	200.7	tm	8/10/2000	994904	
Thallium - Furnace AA	<1.7	ug/l	J RJ	1.7	5.4	279.2	tm	8/7/2000	994862	
Zinc - ICAP	0.031	mg/l	J RJ	0.014	0.04	200.7	tm	8/10/2000	994904	
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	8/9/2000	994948	
COD. Total	24	mg/l		3.8	12	410.4-CT	12805	8/15/2000	994984	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	8/16/2000	994953	
Cyanide, Total	0.018	mg/l		0.006	0.02	335.2	dmd	8/16/2000	994950	
pH (Field)	7.4	s.u.	#			150.1	tn	8/7/2000	994849	
Solids, Total Suspended	5.5	mg/l		1	3.2	SM 2540D	tn	8/16/2000	994958	

Nova Sample Number: 20752
Client ID: **000807WA01Q**
Collection: 8/7/2000 Time: 08:40
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	J RJ	5.6	18	206.2	tm	8/7/2000	994861	
Barium - ICAP	0.122	mg/l	RJ	0.007	0.02	200.7	tm	8/10/2000	994904	
Cadmium - Furnace AA	<0.7	ug/l	J RJ	0.7	2.2	213.2	tm	8/11/2000	994906	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	8/10/2000	994904	
Copper- ICAP	0.009	mg/l	J RJ	0.006	0.02	200.7	tm	8/10/2000	994904	
Iron - ICAP	2.09	mg/l	RJ	0.081	0.26	200.7	tm	8/10/2000	994904	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	8/10/2000	994894	
Manganese - ICAP	0.188	mg/l	RJ	0.006	0.02	200.7	tm	8/10/2000	994904	

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53224-9008
Phone: (414) 355-5800 Fax: (414) 355-3099

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000582
DATE REPORTED: 30-Aug-00
DATE RECEIVED: 07-Aug-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
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	8/9/2000	994893	
Nickel - ICAP	0.055	mg/l	RJ	0.011	0.03	200.7	tm	8/10/2000	994904	
Selenium - Furnace AA	<4.8	ug/l	J	4.8	15	270.2	tm	8/8/2000	994865	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	8/10/2000	994904	
Thallium - Furnace AA	<1.7	ug/l	J RJ	1.7	5.4	279.2	tm	8/7/2000	994862	
Zinc - ICAP	0.051	mg/l	RJ	0.014	0.04	200.7	tm	8/10/2000	994904	
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	8/9/2000	994948	
COD. Total	18	mg/l		3.8	12	410.4-CT	12805	8/15/2000	994984	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	8/16/2000	994953	
Cyanide, Total	0.013	mg/l	J	0.006	0.02	335.2	dmd	8/16/2000	994950	
pH (Field)	7.5	s.u.	#			150.1	tn	8/7/2000	994849	
Solids, Total Suspended	3.0	mg/l	J	1	3.2	SM 2540D	tn	8/16/2000	994958	

Nova Sample Number: 20753
Client ID: 000807WA09R

Collection: 8/7/2000 Time: 09:30
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	J RJ	5.6	18	206.2	tm	8/7/2000	994861	
Barium - ICAP	0.014	mg/l	J RJ	0.007	0.02	200.7	tm	8/10/2000	994904	
Cadmium - Furnace AA	<0.7	ug/l	J RJ	0.7	2.2	213.2	tm	8/11/2000	994906	
Chromium, Total - ICAP	0.008	mg/l	J RJ	0.008	0.03	200.7	tm	8/10/2000	994904	
Copper- ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	8/10/2000	994904	
Iron - ICAP	0.082	mg/l	J RJ	0.081	0.26	200.7	tm	8/10/2000	994904	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	8/10/2000	994894	
Manganese - ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	8/10/2000	994904	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	8/9/2000	994893	
Nickel - ICAP	<0.011	mg/l	J RJ	0.011	0.03	200.7	tm	8/10/2000	994904	
Selenium - Furnace AA	<4.8	ug/l	J	4.8	15	270.2	tm	8/8/2000	994865	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	8/10/2000	994904	
Thallium - Furnace AA	<1.7	ug/l	J RJ	1.7	5.4	279.2	tm	8/7/2000	994862	
Zinc - ICAP	0.024	mg/l	J RJ	0.014	0.04	200.7	tm	8/10/2000	994904	
COD. Total	11	mg/l	J	3.8	12	410.4-CT	12805	8/15/2000	994984	
Nitrate + Nitrite Nitrogen	1.8	mg/l		0.024	0.08	353.3	12805	8/15/2000	994986	
Nitrogen, Ammonia	<0.10	mg/l	J	0.1	0.32	350.1	12805	8/18/2000	994985	
Phosphorus, Total	<0.10	mg/l	J	0.1	0.32	365.2	12805	8/18/2000	994988	
Solids, Total Suspended	2.5	mg/l	J	1	3.2	SM 2540D	tn	8/16/2000	994958	

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53224-9008
Phone: (414) 355-5800 Fax: (414) 355-3099

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000582
DATE REPORTED: 30-Aug-00
DATE RECEIVED: 07-Aug-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: 20754										
Client ID: **000807WA02P**								Collection: 8/7/2000		Time: 08:55
								Sample Description:		
pH (water)	**9.6**	**s.u.**	#			150.1	tn	8/7/2000	*994850*	
Nova Sample Number: 20755										
Client ID: **000807WA03P**								Collection: 8/7/2000		Time: 08:57
								Sample Description:		
pH (water)	**11.1**	**s.u.**	#			150.1	tn	8/7/2000	*994850*	
Nova Sample Number: 20756										
Client ID: **000807WA05P**								Collection: 8/7/2000		Time: 08:52
								Sample Description:		
pH (water)	**7.6**	**s.u.**	#			150.1	tn	8/7/2000	*994850*	
Nova Sample Number: 20760										
Client ID: **000807WA09P**								Collection: 8/7/2000		Time: 09:35
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	8/9/2000	*994948*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	8/16/2000	*994953*	
Cyanide, Total	**0.009**	**mg/l**	*J*	0.006	0.02	335.2	dmd	8/16/2000	*994950*	
pH (water)	**7.8**	**s.u.**	#			150.1	tn	8/7/2000	*994850*	

Approved By: _____ **Date:** 8/30/00
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-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: 20751			QC Prep Batch Number: 994931				*Sample analyzed within 7 Day(s) from collection.*			
Client ID: 000807WA01P Sample Description:							*Collection: 8/7/2000 Time: 08:40*			
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	8/14/2000
1,1,1-Trichloroethane	181	ug/l	3.1	9.9	40	10		8260	cps	8/14/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	8/14/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	8/14/2000
1,1-Dichloroethane	34	ug/l	3.2	10	85	10		8260	cps	8/14/2000
1,1-Dichloroethene	13	ug/l	3.4	11	0.7	10		8260	cps	8/14/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	8/14/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	8/14/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	8/14/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	8/14/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/14/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	8/14/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	8/14/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	8/14/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	8/14/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	8/14/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	8/14/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	8/14/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	8/14/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	8/14/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	8/14/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	8/14/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	8/14/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/14/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	8/14/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	8/14/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	8/14/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/14/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/14/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	8/14/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	8/14/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	8/14/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	8/14/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/14/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	8/14/2000
Chloroethane	< 6.4	ug/l	6.4	20	80	10		8260	cps	8/14/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	8/14/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	8/14/2000
cis-1,2-Dichloroethene	53	ug/l	2.7	8.6	7	10		8260	cps	8/14/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	8/14/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 4.1	ug/l	4.1	13	6	10		8260	cps	8/14/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	8/14/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	8/14/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	8/14/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	8/14/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	8/14/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	8/14/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	8/14/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	8/14/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	8/14/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	8/14/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	8/14/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	8/14/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	8/14/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/14/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	8/14/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	8/14/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/14/2000
Tetrachloroethene	4.6	ug/l	3.1	9.9	0.5	10	J	8260	cps	8/14/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	8/14/2000
trans-1,2-Dichloroethene	18	ug/l	2.5	8	20	10		8260	cps	8/14/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	8/14/2000
Trichloroethene	579	ug/l	3.4	11	0.5	10		8260	cps	8/14/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	8/14/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	8/14/2000

Sample Number: **20752** QC Prep Batch Number: 994931 *Sample analyzed within 7 Day(s) from collection.*
Client ID: **000807WA01Q** Sample Description: *Collection: 8/7/2000 Time: 08:40*

1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	8/14/2000
1,1,1-Trichloroethane	182	ug/l	3.1	9.9	40	10		8260	cps	8/14/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	8/14/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	8/14/2000
1,1-Dichloroethane	35	ug/l	3.2	10	85	10		8260	cps	8/14/2000
1,1-Dichloroethene	13	ug/l	3.4	11	0.7	10		8260	cps	8/14/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	8/14/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	8/14/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	8/14/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	8/14/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/14/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	8/14/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	8/14/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	8/14/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-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	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	8/14/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	8/14/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	8/14/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	8/14/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	8/14/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	8/14/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	8/14/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	8/14/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	8/14/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/14/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	8/14/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	8/14/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	8/14/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/14/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/14/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	8/14/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	8/14/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	8/14/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	8/14/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/14/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	8/14/2000
Chloroethane	< 6.4	ug/l	6.4	20	80	10		8260	cps	8/14/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	8/14/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	8/14/2000
cis-1,2-Dichloroethene	54	ug/l	2.7	8.6	7	10		8260	cps	8/14/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	8/14/2000
Dibromochloromethane	< 4.1	ug/l	4.1	13	6	10		8260	cps	8/14/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	8/14/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	8/14/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	8/14/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	8/14/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	8/14/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	8/14/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	8/14/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	8/14/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	8/14/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	8/14/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	8/14/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	8/14/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	8/14/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/14/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	8/14/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	8/14/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-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	< 3	ug/l	3	9.5	ns	10		8260	cps	8/14/2000
Tetrachloroethene	4.6	ug/l	3.1	9.9	0.5	10	J	8260	cps	8/14/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	8/14/2000
trans-1,2-Dichloroethene	17	ug/l	2.5	8	20	10		8260	cps	8/14/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	8/14/2000
Trichloroethene	588	ug/l	3.4	11	0.5	10		8260	cps	8/14/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	8/14/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	8/14/2000

Sample Number: **20757** QC Prep Batch Number: 994931 *Sample analyzed within 7 Day(s) from collection.*
Client ID: **000807WA07P** Sample Description: *Collection: 8/7/2000 Time: 09:00*

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/14/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/14/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/14/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/14/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/14/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/14/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/14/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/14/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/14/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/14/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/14/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/14/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/14/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/14/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/14/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/14/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/14/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/14/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/14/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/14/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/14/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/14/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/14/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/14/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/14/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/14/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/14/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/14/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/14/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/14/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/14/2000
Trichloroethene	0.77	ug/l	0.34	1.1	0.5	1	*J*	8260	cps	8/14/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/14/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/14/2000

Sample Number: **20758** QC Prep Batch Number: 994931 *Sample analyzed within 7 Day(s) from collection.*
Client ID: **000807WA08P** Sample Description: *Collection: 8/7/2000 Time: 09:03*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/14/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/14/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/14/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/14/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/14/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/14/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/14/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/14/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/14/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/14/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/14/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/14/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/14/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/14/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/14/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/14/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/14/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/14/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/14/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/14/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/14/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/14/2000

Sample Number: **20759** QC Prep Batch Number: 994931 *Sample analyzed within 7 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 8/7/2000 Time:*

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/14/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/14/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/14/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/14/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/14/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/14/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/14/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/14/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/14/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/14/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/14/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/14/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/14/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/14/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/14/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/14/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/14/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/14/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/14/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/14/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/14/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/14/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/14/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/14/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/14/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/14/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/14/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/14/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/14/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/14/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/14/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/14/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/14/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/14/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/14/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/14/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/14/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/14/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/14/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/14/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/14/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/14/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/14/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-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: **20760** QC Prep Batch Number: 994931 *Sample analyzed within 7 Day(s) from collection.*
Client ID: **000807WA09P** Sample Description: *Collection: 8/7/2000 Time: 09:35*

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000582**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 07-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/14/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/14/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/14/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/14/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/14/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/14/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/14/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/14/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/14/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/14/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/14/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/14/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/14/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/14/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/14/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/14/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/14/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/14/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/14/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/14/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/14/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/14/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/14/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/14/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/14/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/14/2000

Approved By: _____ **Date:** 8/16/00

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

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

WDNR# 241340550

INVOICE NUMBER **20000551**
DATE REPORTED: 15-Aug-00
DATE RECEIVED: 01-Aug-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: 20559											
Client ID: **000731WA01P**									Collection: 7/31/2000	Time: 08:45	
									Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	tm	8/7/2000	*994844*	
Barium - ICAP	**0.12**	**mg/l**		**RJ**	0.007	0.02	200.7	tm	8/4/2000	*994857*	
Cadmium - Furnace AA	**<0.7**	**ug/l**		**TTR**	0.7	2.2	213.2	tm	8/3/2000	*994803*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	8/4/2000	*994857*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	8/4/2000	*994857*	
Iron - ICAP	**1.3**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	8/4/2000	*994857*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	tm	8/3/2000	*994811*	
Manganese - ICAP	**0.18**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	8/4/2000	*994857*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	tm	8/9/2000	*994893*	
Nickel - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	tm	8/4/2000	*994857*	
Selenium - Furnace AA	**<4.8**	**ug/l**			4.8	15	270.2	tm	8/8/2000	*994865*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	tm	8/4/2000	*994857*	
Thallium - Furnace AA	**<1.7**	**ug/l**		**RJ**	1.7	5.4	279.2	tm	8/7/2000	*994862*	
Zinc - ICAP	**0.1**	**mg/l**		**RJ**	0.014	0.04	200.7	tm	8/4/2000	*994857*	
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	12805	8/1/2000	*994886*	
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	8/7/2000	*994824*	
Cyanide, Total	**0.03**	**mg/l**			0.006	0.02	335.2	dmd	8/7/2000	*994823*	
pH (Field)	**7.2**	**s.u.**	#				150.1	tn	8/1/2000	*994780*	
Nova Sample Number: 20560											
Client ID: **000731WA02P**									Collection: 7/31/2000	Time: 08:52	
									Sample Description:		
pH (Field)	**9.4**	**s.u.**	#				150.1	tn	8/1/2000	*994780*	
Nova Sample Number: 20561											
Client ID: **000731WA03P**									Collection: 7/31/2000	Time: 08:54	
									Sample Description:		
pH (Field)	**11**	**s.u.**	#				150.1	tn	8/1/2000	*994780*	
Nova Sample Number: 20562											
Client ID: **000731WA05P**									Collection: 7/31/2000	Time: 08:49	
									Sample Description:		
pH (Field)	**7.4**	**s.u.**	#				150.1	tn	8/1/2000	*994780*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000551
DATE REPORTED: 15-Aug-00
DATE RECEIVED: 01-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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: 20565										
Client ID: **000731WA09P**							Collection: 7/31/2000 Sample Description:		Time: 09:40	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	8/1/2000	*994886*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	8/7/2000	*994824*	
Cyanide, Total	**0.03**	**mg/l**		0.006	0.02	335.2	dmd	8/7/2000	*994823*	
pH (Field)	**8**	**s.u.**	#			150.1	tn	8/1/2000	*994780*	
Nova Sample Number: 20566										
Client ID: **000731WA09R**							Collection: 7/31/2000 Sample Description:		Time: 09:10	
Arsenic - Furnace AA	**<5.6**	**ug/l**	RJ	5.6	18	206.2	tm	8/7/2000	*994844*	
Barium - ICAP	**0.01**	**mg/l**	*J* RJ	0.007	0.02	200.7	tm	8/4/2000	*994857*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	TTR	0.7	2.2	213.2	tm	8/3/2000	*994803*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	RJ	0.008	0.03	200.7	tm	8/4/2000	*994857*	
Copper- ICAP	**<0.006**	**mg/l**	RJ	0.006	0.02	200.7	tm	8/4/2000	*994857*	
Iron - ICAP	**<0.081**	**mg/l**	RJ	0.081	0.26	200.7	tm	8/4/2000	*994857*	
Lead - Furnace AA	**<1.5**	**ug/l**	RJ	1.5	4.8	239.2	tm	8/3/2000	*994811*	
Manganese - ICAP	**<0.006**	**mg/l**	RJ	0.006	0.02	200.7	tm	8/4/2000	*994857*	
Mercury CV	**<0.0002**	**mg/l**	RJ	0.0002	0.0006	245.1	tm	8/9/2000	*994893*	
Nickel - ICAP	**0.01**	**mg/l**	*J* RJ	0.011	0.03	200.7	tm	8/4/2000	*994857*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	tm	8/8/2000	*994865*	
Silver - ICAP	**<0.004**	**mg/l**	RJ	0.004	0.01	200.7	tm	8/4/2000	*994857*	
Thallium - Furnace AA	**<1.7**	**ug/l**	RJ	1.7	5.4	279.2	tm	8/7/2000	*994862*	
Zinc - ICAP	**<0.014**	**mg/l**	RJ	0.014	0.04	200.7	tm	8/4/2000	*994857*	
Nova Sample Number: 20568										
Client ID: **000724WA01P**							Collection: 7/24/2000 Sample Description:		Time: 09:05	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	8/7/2000	*994824*	
Cyanide, Total	**0.03**	**mg/l**		0.006	0.02	335.2	dmd	8/7/2000	*994823*	
Nova Sample Number: 20569										
Client ID: **000724WA09P**							Collection: 7/24/2000 Sample Description:		Time: 08:45	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	8/7/2000	*994824*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	8/7/2000	*994823*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000551**
DATE REPORTED: 15-Aug-00
DATE RECEIVED: 01-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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:** 8/15/00

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000551**
DATE REPORTED: 03-Aug-00
DATE RECEIVED: 01-Aug-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: **20559** QC Prep Batch Number: 994796 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000731WA01P** Sample Description: *Collection: 7/31/2000 Time: 08:45*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	<2.2	ug/l	2.2	7	ns	10		8260	cps	8/1/2000
1,1,1-Trichloroethane	188	ug/l	3.1	9.9	40	10		8260	cps	8/1/2000
1,1,2,2-Tetrachloroethane	<4.4	ug/l	4.4	14	0.02	10		8260	cps	8/1/2000
1,1,2-Trichloroethane	<4.4	ug/l	4.4	14	0.5	10		8260	cps	8/1/2000
1,1-Dichloroethane	35	ug/l	3.2	10	85	10		8260	cps	8/1/2000
1,1-Dichloroethene	15	ug/l	3.4	11	0.7	10		8260	cps	8/1/2000
1,1-Dichloropropene	<4.3	ug/l	4.3	14	ns	10		8260	cps	8/1/2000
1,2,3-Trichlorobenzene	<5	ug/l	5	16	ns	10		8260	cps	8/1/2000
1,2,3-Trichloropropane	<5.1	ug/l	5.1	16	ns	10		8260	cps	8/1/2000
1,2,4-Trichlorobenzene	<4.7	ug/l	4.7	15	14	10		8260	cps	8/1/2000
1,2,4-Trimethylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	8/1/2000
1,2-Dibromoethane	<4.6	ug/l	4.6	15	0.005	10		8260	cps	8/1/2000
1,2-Dichlorobenzene	<3.4	ug/l	3.4	11	60	10		8260	cps	8/1/2000
1,2-Dichloroethane	<3.5	ug/l	3.5	11	0.5	10		8260	cps	8/1/2000
1,2-Dichloropropane	<3.2	ug/l	3.2	10	0.5	10		8260	cps	8/1/2000
1,3,5-Trimethylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	8/1/2000
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8.3	125	10		8260	cps	8/1/2000
1,3-Dichloropropane	<3.9	ug/l	3.9	12	ns	10		8260	cps	8/1/2000
1,4-Dichlorobenzene	<3.6	ug/l	3.6	11	15	10		8260	cps	8/1/2000
12Dibromo-3-chloropropan	<3.3	ug/l	3.3	10	0.02	10		8260	cps	8/1/2000
2,2-Dichloropropane	<2.7	ug/l	2.7	8.6	ns	10		8260	cps	8/1/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	8/1/2000
2-Chloroethyl Vinyl Ether	<7	ug/l	7	22	ns	10		8260	cps	8/1/2000
2-Chlorotoluene	<3	ug/l	3	9.5	ns	10		8260	cps	8/1/2000
4-Chlorotoluene	<2.6	ug/l	2.6	8.3	ns	10		8260	cps	8/1/2000
4-Methyl-2-Pentanone	<8	ug/l	8	25	50	10		8260	cps	8/1/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	8/1/2000
Benzene	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/1/2000
Bromobenzene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/1/2000
Bromochloromethane	<3.7	ug/l	3.7	12	ns	10		8260	cps	8/1/2000
Bromodichloromethane	<3.8	ug/l	3.8	12	0.06	10		8260	cps	8/1/2000
Bromoform	<3.9	ug/l	3.9	12	0.44	10		8260	cps	8/1/2000
Bromomethane	<6.5	ug/l	6.5	21	1	10		8260	cps	8/1/2000
Carbon tetrachloride	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/1/2000
Chlorobenzene	<2.6	ug/l	2.6	8.3	20	10		8260	cps	8/1/2000
Chloroethane	<6.4	ug/l	6.4	20	80	10		8260	cps	8/1/2000
Chloroform	<2.4	ug/l	2.4	7.6	0.6	10		8260	cps	8/1/2000
Chloromethane	<4.9	ug/l	4.9	16	0.3	10		8260	cps	8/1/2000
cis-1,2-Dichloroethene	55	ug/l	2.7	8.6	7	10		8260	cps	8/1/2000
cis-1,3-Dichloropropene	<3.7	ug/l	3.7	12	0.02	10		8260	cps	8/1/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000551**
DATE REPORTED: 03-Aug-00
DATE RECEIVED: 01-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<4.1	ug/l	4.1	13	6	10		8260	cps	8/1/2000
Dibromomethane	<4.6	ug/l	4.6	15	ns	10		8260	cps	8/1/2000
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	200	10		8260	cps	8/1/2000
Ethylbenzene	<2.5	ug/l	2.5	8	140	10		8260	cps	8/1/2000
Hexachlorobutadiene	<4.2	ug/l	4.2	13	ns	10		8260	cps	8/1/2000
Isopropyl Ether	<3	ug/l	3	9.5	ns	10		8260	cps	8/1/2000
Isopropylbenzene	<3.3	ug/l	3.3	10	ns	10		8260	cps	8/1/2000
m&p-xylene	<5.3	ug/l	5.3	17	124	10		8260	cps	8/1/2000
Methyl-t-butyl ether	<3.9	ug/l	3.9	12	12	10		8260	cps	8/1/2000
Methylene chloride	<3	ug/l	3	9.5	0.5	10		8260	cps	8/1/2000
n-Butylbenzene	<3.6	ug/l	3.6	11	ns	10		8260	cps	8/1/2000
n-Propylbenzene	<2.8	ug/l	2.8	8.9	ns	10		8260	cps	8/1/2000
Naphthalene	<7.5	ug/l	7.5	24	8	10		8260	cps	8/1/2000
o-xylene	<2.5	ug/l	2.5	8	124	10		8260	cps	8/1/2000
p-Isopropyltoluene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/1/2000
sec-Butylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	8/1/2000
Styrene	<2.5	ug/l	2.5	8	10	10		8260	cps	8/1/2000
tert-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	8/1/2000
Tetrachloroethene	4.9	ug/l	3.1	9.9	0.5	10	J	8260	cps	8/1/2000
Toluene	<2.9	ug/l	2.9	9.2	68.6	10		8260	cps	8/1/2000
trans-1,2-Dichloroethene	16	ug/l	2.5	8	20	10		8260	cps	8/1/2000
trans-1,3-Dichloropropene	<2.6	ug/l	2.6	8.3	0.02	10		8260	cps	8/1/2000
Trichloroethene	549	ug/l	3.4	11	0.5	10		8260	cps	8/1/2000
Trichlorofluoromethane	<2.4	ug/l	2.4	7.6	ns	10		8260	cps	8/1/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	8/1/2000

Sample Number: **20563** QC Prep Batch Number: 994796 *Sample analyzed within 1 Day(s) from collection.*

Client ID: **000731WA07P** Sample Description: *Collection: 7/31/2000 Time: 09:00*

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000551**
DATE REPORTED: 03-Aug-00
DATE RECEIVED: 01-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000551**
DATE REPORTED: 03-Aug-00
DATE RECEIVED: 01-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

Sample Number: **20564** QC Prep Batch Number: 994796 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000731WA08P** Sample Description: *Collection: 7/31/2000 Time: 09:05*

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000551**
DATE REPORTED: 03-Aug-00
DATE RECEIVED: 01-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

Sample Number: **20565** QC Prep Batch Number: 994796 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000731WA09P** Sample Description: *Collection: 7/31/2000 Time: 09:40*

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000551
DATE REPORTED: 03-Aug-00
DATE RECEIVED: 01-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	8/1/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/1/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/1/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/1/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/1/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/1/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/1/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/1/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/1/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/1/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/1/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/1/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/1/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/1/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/1/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/1/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/1/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/1/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/1/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/1/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/1/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/1/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/1/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/1/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/1/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/1/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/1/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/1/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/1/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/1/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/1/2000
Chloroform	0.31	ug/l	0.24	0.76	0.6	1	J	8260	cps	8/1/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/1/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/1/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/1/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/1/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/1/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/1/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/1/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/1/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/1/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/1/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/1/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000551**
DATE REPORTED: 03-Aug-00
DATE RECEIVED: 01-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	8/1/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/1/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/1/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/1/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/1/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/1/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/1/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/1/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/1/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/1/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/1/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/1/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/1/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/1/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/1/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/1/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/1/2000

Sample Number: **20567** QC Prep Batch Number: 994796 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blk** Sample Description: *Collection: 7/31/2000 Time:*

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000551**
DATE REPORTED: 03-Aug-00
DATE RECEIVED: 01-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000551**
DATE REPORTED:	03-Aug-00
DATE RECEIVED:	01-Aug-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:** 8/15/00

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

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

WDNR# 241340550

INVOICE NUMBER **20000628**
DATE REPORTED: 11-Sep-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Nova Sample Number: 20961
Client ID: **000828WA01P**
Collection: 8/28/2000 Time: 09:50
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	9/5/2000	*995098*	
Barium - ICAP	**0.09**	**mg/l**		**RJ**	0.007	0.02	200.7	tm	8/30/2000	*995078*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	tm	8/30/2000	*995085*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	8/30/2000	*995078*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	8/30/2000	*995078*	
Iron - ICAP	**0.93**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	8/30/2000	*995078*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	tm	8/30/2000	*995086*	
Manganese - ICAP	**0.15**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	8/30/2000	*995078*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	tm	9/1/2000	*995091*	
Nickel - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	tm	8/30/2000	*995078*	
Selenium - Furnace AA	**17**	**ug/l**		**RJ**	4.8	15	270.2	tm	9/6/2000	*995106*	
Silver - ICAP	**0.004**	**mg/l**	*J*	**RJ**	0.004	0.01	200.7	tm	8/30/2000	*995078*	
Thallium - Furnace AA	**<1.7**	**ug/l**		**RJ**	1.7	5.4	279.2	tm	8/31/2000	*995084*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	tm	8/30/2000	*995078*	
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	12805	8/29/2000	*995082*	
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	8/29/2000	*995069*	
Cyanide, Total	**0.01**	**mg/l**	*J*		0.006	0.02	335.2	dmd	8/29/2000	*995070*	
pH (water)	**7.2**	**s.u.**	#				150.1	tn	8/29/2000	*995066*	

Nova Sample Number: 20962
Client ID: **000828WA09R**
Collection: 8/28/2000 Time: 10:00
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	tm	9/5/2000	*995098*	
Barium - ICAP	**<0.007**	**mg/l**		**RJ**	0.007	0.02	200.7	tm	8/30/2000	*995078*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	tm	8/30/2000	*995085*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	8/30/2000	*995078*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	8/30/2000	*995078*	
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	8/30/2000	*995078*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	tm	8/30/2000	*995086*	
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	8/30/2000	*995078*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	tm	9/1/2000	*995091*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	tm	8/30/2000	*995078*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000628**
DATE REPORTED: 11-Sep-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	9/6/2000	*995106*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	8/30/2000	*995078*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	8/31/2000	*995084*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	tm	8/30/2000	*995078*	
Nova Sample Number: 20963										
Client ID: **000828WA02P**								Collection: 8/28/2000		Time: 09:55
								Sample Description:		
pH (water)	**9.5**	**s.u.**	**#**			150.1	tn	8/29/2000	*995066*	
Nova Sample Number: 20964										
Client ID: **000828WA03P**								Collection: 8/28/2000		Time: 09:57
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	tn	8/29/2000	*995066*	
Nova Sample Number: 20965										
Client ID: **000828WA05P**								Collection: 8/28/2000		Time: 10:07
								Sample Description:		
pH (water)	**9**	**s.u.**	**#**			150.1	tn	8/29/2000	*995066*	
Nova Sample Number: 20969										
Client ID: **000828WA09P**								Collection: 8/28/2000		Time: 10:05
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	8/29/2000	*995082*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	8/29/2000	*995069*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	8/29/2000	*995070*	
pH (water)	**7.7**	**s.u.**	**#**			150.1	tn	8/29/2000	*995066*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER [redacted]

DATE REPORTED: 11-Sep-00

DATE RECEIVED: 28-Aug-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:** 9/11/00

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000628**
DATE REPORTED: 29-Aug-00
DATE RECEIVED: 28-Aug-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: 20961			QC Prep Batch Number: 995067				*Sample analyzed within*	*0*	*Day(s) from collection*	
Client ID: 000828WA01P	Sample Description:						*Collection:*	*8/28/2000*	*Time:*	*09:50*
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	8/28/2000
1,1,1-Trichloroethane	182	ug/l	3.1	9.9	40	10		8260	cps	8/28/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	8/28/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	8/28/2000
1,1-Dichloroethane	28	ug/l	3.2	10	85	10		8260	cps	8/28/2000
1,1-Dichloroethene	14	ug/l	3.4	11	0.7	10		8260	cps	8/28/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	8/28/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	8/28/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	8/28/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	8/28/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/28/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	8/28/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	8/28/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	8/28/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	8/28/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	8/28/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	8/28/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	8/28/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	8/28/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	8/28/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	8/28/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	8/28/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	8/28/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/28/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	8/28/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	8/28/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	8/28/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/28/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/28/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	8/28/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	8/28/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	8/28/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	8/28/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/28/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	8/28/2000
Chloroethane	< 6.4	ug/l	6.4	20	80	10		8260	cps	8/28/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	8/28/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	8/28/2000
cis-1,2-Dichloroethene	45	ug/l	2.7	8.6	7	10		8260	cps	8/28/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	8/28/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000628
DATE REPORTED: 29-Aug-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 4.1	ug/l	4.1	13	6	10		8260	cps	8/28/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	8/28/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	8/28/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	8/28/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	8/28/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	8/28/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	8/28/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	8/28/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	8/28/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	8/28/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	8/28/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	8/28/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	8/28/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	8/28/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/28/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	8/28/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	8/28/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/28/2000
Tetrachloroethene	6.7	ug/l	3.1	9.9	0.5	10	J	8260	cps	8/28/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	8/28/2000
trans-1,2-Dichloroethene	19	ug/l	2.5	8	20	10		8260	cps	8/28/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	8/28/2000
Trichloroethene	564	ug/l	3.4	11	0.5	10		8260	cps	8/28/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	8/28/2000
Vinyl chloride	< 2	ug/l	2	6.4	0.02	10		8260	cps	8/28/2000

Sample Number: 20966 QC Prep Batch Number: 995067 *Sample analyzed within 0 Day(s) from collection.*
Client ID: 000828WA07P Sample Description: *Collection: 8/28/2000 Time: 10:10*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/28/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/28/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/28/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/28/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/28/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/28/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/28/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/28/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/28/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/28/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/28/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/28/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/28/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000628**
DATE REPORTED: 29-Aug-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/28/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/28/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/28/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/28/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/28/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/28/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/28/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/28/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/28/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/28/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/28/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/28/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/28/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/28/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/28/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/28/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/28/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/28/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/28/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/28/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/28/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/28/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/28/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/28/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/28/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/28/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/28/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/28/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/28/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/28/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/28/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/28/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/28/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/28/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/28/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/28/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/28/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/28/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/28/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/28/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/28/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000628**
DATE REPORTED: 29-Aug-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/28/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/28/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/28/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/28/2000
Trichloroethene	0.37	ug/l	0.34	1.1	0.5	1	J	8260	cps	8/28/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/28/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	8/28/2000

Sample Number: **20967** QC Prep Batch Number: 995067 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000828WA08P** Sample Description: *Collection: 8/28/2000 Time: 10:12*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/28/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/28/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/28/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/28/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/28/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/28/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/28/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/28/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/28/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/28/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/28/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/28/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/28/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/28/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/28/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/28/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/28/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/28/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/28/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/28/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/28/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/28/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/28/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/28/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/28/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/28/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/28/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/28/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/28/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000628**
DATE REPORTED: 29-Aug-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/28/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/28/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/28/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/28/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/28/2000
Chloroform	0.41	ug/l	0.24	0.76	0.6	1	J	8260	cps	8/28/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/28/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/28/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/28/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/28/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/28/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/28/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/28/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/28/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/28/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/28/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/28/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/28/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/28/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/28/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/28/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/28/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/28/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/28/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/28/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/28/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/28/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/28/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/28/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/28/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/28/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	8/28/2000

Sample Number: **20968** QC Prep Batch Number: 995067 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 8/28/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1	8260	cps	8/28/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1	8260	cps	8/28/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1	8260	cps	8/28/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1	8260	cps	8/28/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1	8260	cps	8/28/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000628**
DATE REPORTED: 29-Aug-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/28/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/28/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/28/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/28/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/28/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/28/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/28/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/28/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/28/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/28/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/28/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/28/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/28/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/28/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/28/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/28/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/28/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/28/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/28/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/28/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/28/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/28/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/28/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/28/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/28/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/28/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/28/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/28/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/28/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/28/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/28/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/28/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/28/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/28/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/28/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/28/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/28/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/28/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/28/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/28/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000628**
DATE REPORTED: 29-Aug-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/28/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/28/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/28/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/28/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/28/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/28/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/28/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/28/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/28/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/28/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/28/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/28/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/28/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/28/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/28/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	8/28/2000

Sample Number: 20969 QC Prep Batch Number: 995067 *Sample analyzed within 0 Day(s) from collection.*
Client ID: 000828WA09P Sample Description: *Collection: 8/28/2000 Time: 10:05*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/28/2000
1,1,1-Trichloroethane	0.37	ug/l	0.31	0.99	40	1	J	8260	cps	8/28/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/28/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/28/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/28/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/28/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/28/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/28/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/28/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/28/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/28/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/28/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/28/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/28/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/28/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/28/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/28/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/28/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/28/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/28/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/28/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000628**
DATE REPORTED: 29-Aug-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/28/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/28/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/28/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/28/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/28/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/28/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/28/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/28/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/28/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/28/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/28/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/28/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/28/2000
Chloroform	0.44	ug/l	0.24	0.76	0.6	1	J	8260	cps	8/28/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/28/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/28/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/28/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/28/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/28/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/28/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/28/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/28/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/28/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/28/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/28/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/28/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/28/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/28/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/28/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/28/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/28/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/28/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/28/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/28/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/28/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/28/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/28/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/28/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/28/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/28/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	8/28/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000628**
DATE REPORTED: 29-Aug-00
DATE RECEIVED: 28-Aug-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:** 9/5/00

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.