November 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 October, 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

November 15, 2000

1.0 Introduction

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

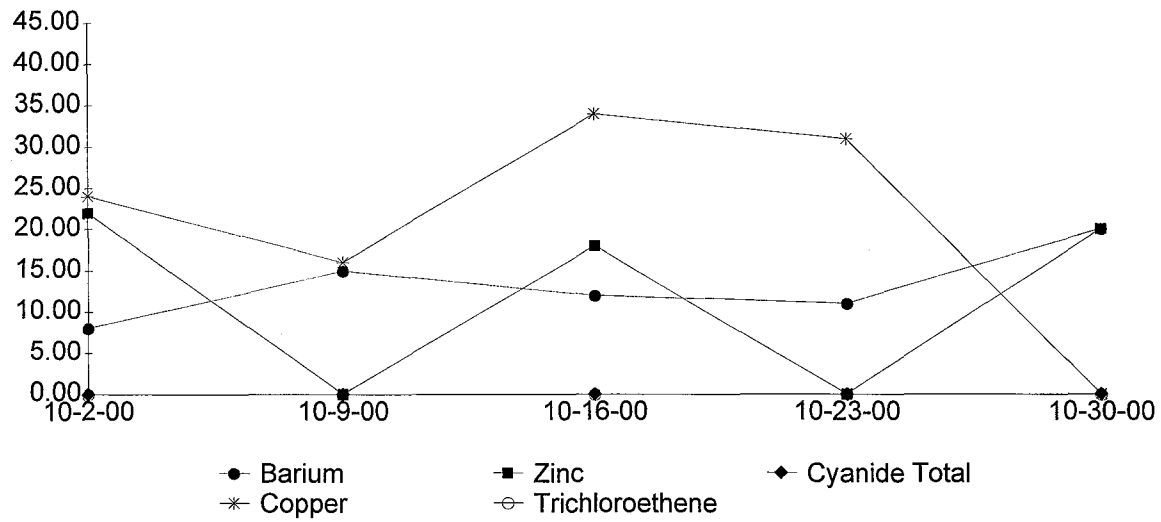
1.3 Effluent Monitoring

Weekly monitoring was conducted on October 2, 9, 16, 23, and 30. The weekly samples for October were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in October 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

The results of the effluent monitoring tests for the samples taken in October showed no exceedences of the WDNR effluent discharge permit.

3.0 Treatment Plant Shut Downs

The Treatment Plant were shut down four times for a total of 4.08 hours in October, 2000. The shut downs were due to clean RMT-301 and FT-311, Power Fluctuation, to Perform Maintenance, and to Test Flow Meters. Table 1 shows the summary of the plant down times for the month of October, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
10-4-00	1.25	Shut Down to Clean RMT-301 & FT-311
10-17-00	1.25	Shut Down due to Power Fluctuations
10-17-00	1.33	Shut Down to Perform Maintenance
10-18-00	0.25	Shut Down to Test Flow Meters
TOTAL	**4.08**	

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

On October 4, 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, FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer was cleaned in RMT-301 and the walls, floor, and mixer were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-120 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Also, addressed, during the shut down, was the replacing of a leaky valve for the Sodium Hydroxide Pump

(SHP-361), the acid cleaning of the Metals Package piping, and the backwashing of the Granulated Activated Carbon Filters (GAC-650/651). Total down time was 1.25 hours. APL Inc., WDNR, and USACE were notified.

3.2 Shut Down due to Power Fluctuations

On October 17, the treatment plant was discovered shut down upon the arrival of the operator. After a thorough inspection, the treatment plant was restarted at 5:15 A.M. The process computer indicated 47 faults had occurred because of a loss of communications with the Programmable Logic Controller (PLC). The Treatment System Feed Pump (TFP-111) needed to have a lockout reset procedure performed and manually restarted. The Historical Display showed that the treatment plant had shut down at 1:15 A.M. and restarted automatically at 2:20 A.M. At 4:30 A.M., the treatment plant had shut down, again, but this time it did not restart. The inspection, also, found that the Metals Package had 2 mixers (CTM-202 & 212) and the ventilation blower (F-204) with tripped starters. The starters were reset and the mixers and blower were restarted. The last item discovered was the office copier needed to be reset. Total down time was 1.25 hours. APL Inc., WDNR, and USACE were notified.

3.3 Shut Down to Perform Maintenance

On October 17, the treatment plant was shut down at 7:25 A.M. to remove the broken discharge line isolation valve for the Cyanide Reaction Tank (CRT-211). The discharge lines for CRT-211 and the Flocculation Tank (FT-311) were cleaned out using the new power washer jetter assembly, the broken valve was removed, and the new valve was installed. The removal, cleaning, and inspection of the Treatment Plant's Influent Flow Meter (FE-112) was performed, also. The treatment plant was restarted at 8:45 A.M. Total down time was 1.33 hours. APL Inc., WDNR, and USACE were notified.

3.4 Shut Down to Test Flow Meters

On October 18, the treatment plant was shut down for 15 minutes to test Treatment Plant's Influent Flow Meter (FE-112) and the Extraction Well Field's Flow Meter (FE-100). The testing, diagnosis, and readjusting of the flow meters was performed by Pieper Electric with authorization by Steve Brossart of the USACE. The total time to perform the work was 4.25 hours. Total down time was 0.25 hours.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 6 times during the month of October 2000. It was filled and emptied on October 3, 5, 6, 24, 25, and 31. The dewatered sludge is sampled 1 time during the 90 day period since the first opening of the press for the new hopper. We have 90 days after the first opening of the press and dumping into the new hopper to have it removed from the site. The sludge was sampled on October 24, 2000. On October 12, a new sludge hopper was installed and the full hopper was hauled away. The old hopper had 11 filter press loads of dewatered sludge in it and needed to be removed before another filter press load could be added. The first filter press load of dewatered sludge that was added to the new hopper occurred on October 24. The dewatered sludge hopper removal date is January 21. There are 3 filter press loads of dewatered sludge in the new hopper.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on October 2, 9, 16, 23, and 30 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 October, 2000, the plant was shut down four times for a total of 4.08 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 November 15, 2000.

The Filter Press was filled and emptied 6 times during the month of October, 2000. A new hopper was set up on October 12. There were 3 Filter Press fillings added to it during October, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-2-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11.4	N/A	N/A	7.5	Monitor	
TSS	5	NT	NT	NT	0.5	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	117	NT	NT	NT	8	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	15	NT	NT	NT	24	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	174	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	19	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	22	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	30	NT	0.32/<0.3	<0.32	<0.32	85	
1,2-Dichloroethane	<3.5	NT	0.35/<0.3	<0.35	<0.35	0.5	
1,1-Dichloroethene	13	NT	0.34/<0.3	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	46	NT	<0.27<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	15	NT	0.25/<0.2	<0.25	<0.25	20	
Ethylbenzene	<2.5	NT	0.25/<0.2	<0.25	<0.25	140	
Methylene Chloride	<3	NT	<0.3/<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	5.2	NT	0.31/<0.3	<0.31	<0.31	0.5	
Toluene	<2.9	NT	0.29/<0.2	<0.29	<0.29	68	
1,1,1-Trichloroethane	172	NT	0.31/<0.3	<0.31	<0.31	40	
1,1,2-Trichloroethane	<4.4	NT	0.44/<0.4	<0.44	<0.44	0.5	
TCE	584	NT	0.34/<0.3	<0.34	<0.34	0.5	
Vinyl Chloride	<2	NT	<0.2/<0.2	<0.2	<0.2	0.2	
Xylene Total	<5.3	NT	0.53/<0.5	<0.53	<0.53	124	
COD	18	NT	NT	NT	18	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.5	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	<0.1	Monitor	mg/l

NT = Not Tested.
N/A = Not Applicable at this time.
ug/l = Micrograms per Liter.
mg/l = Milligrams per Liter.

After Air Stripper was duplicate sampled.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-9-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.3	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	103	NT	NT	NT	15	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	21	NT	NT	NT	16	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	118	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	11	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	<14	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	23	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	9.2	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	40	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	13	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	4.7	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	126	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5	
TCE	461	NT	1.3	<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

NT = Not Tested.
N/A = Not Applicable at this time.
ug/l = Micrograms per Liter.
mg/l = Milligrams per Liter.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-16-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.3	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	20.3	NT	NT	NT	<5.6	5	
Barium	106	NT	NT	NT	12	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	33	NT	NT	NT	34	Monitor	
Iron	1180	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	161	NT	NT	NT	10	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	240	NT	NT	NT	18	Monitor	
Cyanide	21	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	26	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	42	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	16	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	4.8	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	163	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5	
TCE	500	NT	<0.34	<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

NT = Not Tested.
N/A = Not Applicable at this time.
ug/l = Micrograms per Liter.
mg/l = Milligrams per Liter.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-23-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.2	11.3	N/A	N/A	8.2	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	101	NT	NT	NT	11	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	30	NT	NT	NT	31	Monitor	
Iron	1370	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	141	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	22	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	25	NT	NT	NT	<14	Monitor	
Cyanide	18	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	25	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	11	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	40	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	13	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	5.1	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	143	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5	
TCE	465	NT	0.5	<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

NT = Not Tested.
N/A = Not Applicable at this time.
ug/l = Micrograms per Liter.
mg/l = Milligrams per Liter.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-30-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.2	11.5	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	110	NT	NT	NT	20	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	900	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	140	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	20	NT	NT	NT	20	Monitor	
Cyanide	30	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	<0.64	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	29	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	41	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<0.5	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	4.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	165	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5	
TCE	499	NT	1.8	<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

NT = Not Tested.
N/A = Not Applicable at this time.
ug/l = Micrograms per Liter.
mg/l = Milligrams per Liter.

FLOW FROM EXTRACTION WELLS

YEAR: 2000

MONTH: OCT. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,066,976.00	30,263.00	0.030	
2	2,097,239.00	28,304.00	0.028	
3	2,125,543.00	28,718.00	0.029	
4	2,154,261.00	26,875.00	0.027	SHUT DOWN
5	2,181,136.00	34,117.00	0.034	SHUT DOWN
6	2,215,253.00	34,003.00	0.034	
7	2,249,256.00	31,300.00	0.031	
8	2,280,556.00	39,895.00	0.040	
9	2,320,451.00	35,263.00	0.035	
10	2,355,714.00	34,914.00	0.035	
11	2,390,628.00	33,897.00	0.034	
12	2,424,525.00	33,155.00	0.033	
13	2,457,680.00	21,156.00	0.021	
14	2,478,836.00	41,036.00	0.041	
15	2,519,872.00	38,275.00	0.038	
16	2,558,147.00	32,338.00	0.032	
17	2,590,485.00	29,955.00	0.030	
18	2,620,440.00	34,459.00	0.034	SHUT DOWN
19	2,654,899.00	31,373.00	0.031	
20	2,686,272.00	26,195.00	0.026	
21	2,712,467.00	33,649.00	0.034	
22	2,746,116.00	37,095.00	0.037	
23	2,783,211.00	32,022.00	0.032	
24	2,815,233.00	31,551.00	0.032	
25	2,846,784.00	30,754.00	0.031	
26	2,877,538.00	31,143.00	0.031	
27	2,908,681.00	21,063.00	0.021	
28	2,929,744.00	39,429.00	0.039	
29	2,969,173.00	34,761.00	0.035	
30	3,003,934.00	31,198.00	0.031	
31	3,035,132.00	28,184.00	0.028	
November 01	3,063,316.00			
		TOTAL	0.994	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2000				
MONTH: OCT. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	7,478,556.00	41,143.00	0.041	
2	7,519,699.00	41,270.00	0.041	
3	7,560,969.00	36,054.00	0.036	
4	7,597,023.00	38,409.00	0.038	SHUT DOWN
5	7,635,432.00	42,563.00	0.043	
6	7,677,995.00	43,110.00	0.043	
7	7,721,105.00	39,889.00	0.040	
8	7,760,994.00	51,314.00	0.051	
9	7,812,308.00	44,507.00	0.045	
10	7,856,815.00	47,865.00	0.048	
11	7,904,680.00	48,626.00	0.049	
12	7,953,306.00	42,724.00	0.043	
13	7,996,030.00	26,452.00	0.026	
14	8,022,482.00	53,951.00	0.054	
15	8,076,433.00	51,478.00	0.051	
16	8,127,911.00	41,414.00	0.041	
17	8,169,325.00	40,765.00	0.041	SHUT DOWN
18	8,210,090.00	44,502.00	0.045	SHUT DOWN
19	8,254,592.00	40,115.00	0.040	
20	8,294,707.00	33,408.00	0.033	
21	8,328,115.00	41,644.00	0.042	
22	8,369,759.00	48,662.00	0.049	
23	8,418,421.00	43,820.00	0.044	
24	8,462,241.00	44,959.00	0.045	
25	8,507,200.00	42,309.00	0.042	
26	8,549,509.00	39,676.00	0.040	
27	8,589,185.00	27,244.00	0.027	
28	8,616,429.00	48,704.00	0.049	
29	8,665,133.00	44,391.00	0.044	
30	8,709,524.00	43,759.00	0.044	
31	8,753,283.00	36,564.00	0.037	
November 01	8,789,847.00			
		TOTAL	1.312	
		AVERAGE	0.042	

EFFLUENT FLOW FROM PLANT

YEAR: 2000

MONTH: OCT. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	6,263,668.00	15,361.00	30,722.00	0.031	
2	6,279,029.00	15,266.00	30,532.00	0.031	
3	6,294,295.00	14,505.00	29,010.00	0.029	
4	6,308,800.00	15,528.00	31,056.00	0.031	SHUT DOWN
5	6,324,328.00	16,568.00	33,136.00	0.033	
6	6,340,896.00	18,738.00	37,476.00	0.037	
7	6,359,634.00	15,307.00	30,614.00	0.031	
8	6,374,941.00	19,709.00	39,418.00	0.039	
9	6,394,650.00	18,613.00	37,226.00	0.037	
10	6,413,263.00	19,880.00	39,760.00	0.040	
11	6,433,143.00	19,851.00	39,702.00	0.040	
12	6,452,994.00	16,805.00	33,610.00	0.034	
13	6,469,799.00	8,783.00	17,566.00	0.018	
14	6,478,582.00	22,084.00	44,168.00	0.044	
15	6,500,666.00	20,313.00	40,626.00	0.041	
16	6,520,979.00	17,051.00	34,102.00	0.034	
17	6,538,030.00	16,466.00	32,932.00	0.033	SHUT DOWN
18	6,554,496.00	17,908.00	35,816.00	0.036	SHUT DOWN
19	6,572,404.00	15,577.00	31,154.00	0.031	
20	6,587,981.00	14,713.00	29,426.00	0.029	
21	6,602,694.00	16,609.00	33,218.00	0.033	
22	6,619,303.00	19,120.00	38240.00	0.038	
23	6,638,423.00	17,963.00	35926.00	0.036	
24	6,656,386.00	17,710.00	35420.00	0.035	
25	6,674,096.00	17,420.00	34840.00	0.035	
26	6,691,516.00	16,867.00	33734.00	0.034	
27	6,708,383.00	11,713.00	23426.00	0.023	
28	6,720,096.00	18,950.00	37900.00	0.038	
29	6,739,046.00	17,308.00	34616.00	0.035	
30	6,756,354.00	17,187.00	34374.00	0.034	
31	6,773,541.00	15,127.00	30254.00	0.030	
November 01	6,788,668.00				
			TOTAL	1.050	
			AVERAGE	0.034	

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
September 6-7, 2000	6.92	DRY	4.29	4.75	DRY	COVERED
October 4, 2000	6.57	DRY	3.89	4.29	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
September 6-7, 2000	5.09	3.95	6.01	4.51	11.26	3.39
October 4-5, 2000	4.67	3.60	5.65	4.09	10.43	3.08

APL Environmental

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

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000780**
DATE REPORTED: 31-Oct-00
DATE RECEIVED: 16-Oct-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: 21713
Client ID: **001016WA01P**
Collection: 10/16/2000 Time: 08:42
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**20.305**	**ug/l**	RJ	5.6	18	206.2	tm	10/23/2000	*995448*
Barium - ICAP	**0.106**	**mg/l**	RJ	0.007	0.02	200.7	tm	10/23/2000	*995447*
Cadmium - Furnace AA	**<0.4**	**ug/l**	J RJ	0.4	1.3	213.2	tm	10/19/2000	*995435*
Chromium, Total - ICAP	**<0.008**	**mg/l**	J RJ	0.008	0.03	200.7	tm	10/23/2000	*995447*
Copper- ICAP	**0.033**	**mg/l**	RJ	0.006	0.02	200.7	tm	10/23/2000	*995447*
Iron - ICAP	**1.18**	**mg/l**	RJ	0.081	0.26	200.7	tm	10/23/2000	*995447*
Lead - Furnace AA	**<1.5**	**ug/l**	J RJ	1.5	4.8	239.2	dmd	10/18/2000	*995421*
Manganese - ICAP	**0.161**	**mg/l**	RJ	0.006	0.02	200.7	tm	10/23/2000	*995447*
Mercury CV	**<0.0002**	**mg/l**	J RJ	0.0002	0.0006	245.1	tm	10/23/2000	*995445*
Nickel - ICAP	**0.03**	**mg/l**	J RJ	0.011	0.03	200.7	tm	10/23/2000	*995447*
Selenium - Furnace AA	**<4.8**	**ug/l**	J RJ	4.8	15	270.2	tm	10/24/2000	*995453*
Silver - ICAP	**<0.004**	**mg/l**	J RJ	0.004	0.01	200.7	tm	10/23/2000	*995447*
Thallium - Furnace AA	**<1.3**	**ug/l**	J RJ	1.3	4.1	279.2	tm	10/20/2000	*995436*
Zinc - ICAP	**0.024**	**mg/l**	J RJ	0.014	0.04	200.7	tm	10/23/2000	*995447*
Chromium, Hexavalent	**<0.0042**	**mg/l**	J	0.004	0.01	SM 3500D	12805	10/17/2000	*995456*
Cyanide, Amenable	**<0.006**	**mg/l**	J	0.006	0.02	335.2	dmd	10/24/2000	*995458*
Cyanide, Total	**0.021**	**mg/l**		0.006	0.02	335.2	dmd	10/24/2000	*995460*
pH (water)	**7.1**	**s.u.**	#			150.1	dg	10/16/2000	*995420*

Nova Sample Number: 21714
Client ID: **001016WA09R**
Collection: 10/16/2000 Time: 08:55
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**	J RJ	5.6	18	206.2	tm	10/23/2000	*995448*
Barium - ICAP	**0.012**	**mg/l**	J RJ	0.007	0.02	200.7	tm	10/23/2000	*995447*
Cadmium - Furnace AA	**<0.4**	**ug/l**	J RJ	0.4	1.3	213.2	tm	10/19/2000	*995435*
Chromium, Total - ICAP	**<0.008**	**mg/l**	J RJ	0.008	0.03	200.7	tm	10/23/2000	*995447*
Copper- ICAP	**0.034**	**mg/l**	RJ	0.006	0.02	200.7	tm	10/23/2000	*995447*
Iron - ICAP	**<0.081**	**mg/l**	J RJ	0.081	0.26	200.7	tm	10/23/2000	*995447*
Lead - Furnace AA	**<1.5**	**ug/l**	J RJ	1.5	4.8	239.2	dmd	10/18/2000	*995421*
Manganese - ICAP	**0.010**	**mg/l**	J RJ	0.006	0.02	200.7	tm	10/23/2000	*995447*
Mercury CV	**<0.0002**	**mg/l**	J RJ	0.0002	0.0006	245.1	tm	10/23/2000	*995445*
Nickel - ICAP	**<0.011**	**mg/l**	J RJ	0.011	0.03	200.7	tm	10/23/2000	*995447*

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000780
DATE REPORTED: 31-Oct-00
DATE RECEIVED: 16-Oct-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**	*J* **RJ**	4.8	15	270.2	tm	10/24/2000	*995453*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	10/23/2000	*995447*	
Thallium - Furnace AA	**<1.3**	**ug/l**	*J* **RJ**	1.3	4.1	279.2	tm	10/20/2000	*995436*	
Zinc - ICAP	**0.018**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	10/23/2000	*995447*	
Nova Sample Number: 21715										
Client ID: **001016WA02P**								Collection: 10/16/2000	Time: 08:58	
								Sample Description:		
pH (water)	**8.3**	**s.u.**	#			150.1	dg	10/16/2000	*995420*	
Nova Sample Number: 21716										
Client ID: **001016WA03P**								Collection: 10/16/2000	Time: 09:00	
								Sample Description:		
pH (water)	**11.3**	**s.u.**	#			150.1	dg	10/16/2000	*995420*	
Nova Sample Number: 21717										
Client ID: **001016WA05P**								Collection: 10/16/2000	Time: 08:45	
								Sample Description:		
pH (water)	**7.4**	**s.u.**	#			150.1	dg	10/16/2000	*995420*	
Nova Sample Number: 21721										
Client ID: **001016WA09P**								Collection: 10/16/2000	Time: 08:50	
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	10/17/2000	*995456*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	10/24/2000	*995458*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	10/24/2000	*995460*	
pH (water)	**7.6**	**s.u.**	#			150.1	dg	10/16/2000	*995420*	

APL Environmental
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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000780**
DATE REPORTED:	31-Oct-00
DATE RECEIVED:	16-Oct-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:** 11/1/9

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: **20000780**
DATE REPORTED: 20-Oct-00
DATE RECEIVED: 16-Oct-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: **21713**		QC Prep Batch Number:	995428		*Sample analyzed within*	*1*	*Day(s) from collection.*			
Client ID: **001016WA01P**	Sample Description:				*Collection:*	*10/16/2000*	*Time:*	*08:42*		
1,1,1,2-Tetrachloroethane	< 2.2	**ug/l**	2.2	7	ns	10		8260	cps	10/17/2000
1,1,1-Trichloroethane	163	**ug/l**	3.1	9.9	40	10		8260	cps	10/17/2000
1,1,2,2-Tetrachloroethane	< 4.4	**ug/l**	4.4	14	0.02	10		8260	cps	10/17/2000
1,1,2-Trichloroethane	< 4.4	**ug/l**	4.4	14	0.5	10		8260	cps	10/17/2000
1,1-Dichloroethane	26	**ug/l**	3.2	10	85	10		8260	cps	10/17/2000
1,1-Dichloroethene	14	**ug/l**	3.4	11	0.7	10		8260	cps	10/17/2000
1,1-Dichloropropene	< 4.3	**ug/l**	4.3	14	ns	10		8260	cps	10/17/2000
1,2,3-Trichlorobenzene	< 5	**ug/l**	5	16	ns	10		8260	cps	10/17/2000
1,2,3-Trichloropropane	< 5.1	**ug/l**	5.1	16	ns	10		8260	cps	10/17/2000
1,2,4-Trichlorobenzene	< 4.7	**ug/l**	4.7	15	14	10		8260	cps	10/17/2000
1,2,4-Trimethylbenzene	< 3	**ug/l**	3	9.5	ns	10		8260	cps	10/17/2000
1,2-Dibromoethane	< 4.6	**ug/l**	4.6	15	0.005	10		8260	cps	10/17/2000
1,2-Dichlorobenzene	< 3.4	**ug/l**	3.4	11	60	10		8260	cps	10/17/2000
1,2-Dichloroethane	< 3.5	**ug/l**	3.5	11	0.5	10		8260	cps	10/17/2000
1,2-Dichloropropane	< 3.2	**ug/l**	3.2	10	0.5	10		8260	cps	10/17/2000
1,3,5-Trimethylbenzene	< 3.4	**ug/l**	3.4	11	ns	10		8260	cps	10/17/2000
1,3-Dichlorobenzene	< 2.6	**ug/l**	2.6	8.3	125	10		8260	cps	10/17/2000
1,3-Dichloropropane	< 3.9	**ug/l**	3.9	12	ns	10		8260	cps	10/17/2000
1,4-Dichlorobenzene	< 3.6	**ug/l**	3.6	11	15	10		8260	cps	10/17/2000
12Dibromo-3-chloropropan	< 3.3	**ug/l**	3.3	10	0.02	10		8260	cps	10/17/2000
2,2-Dichloropropane	< 2.7	**ug/l**	2.7	8.6	ns	10		8260	cps	10/17/2000
2-Butanone (MEK)	< 14	**ug/l**	14	44	90	10		8260	cps	10/17/2000
2-Chloroethyl Vinyl Ether	< 7	**ug/l**	7	22	ns	10		8260	cps	10/17/2000
2-Chlorotoluene	< 3	**ug/l**	3	9.5	ns	10		8260	cps	10/17/2000
4-Chlorotoluene	< 2.6	**ug/l**	2.6	8.3	ns	10		8260	cps	10/17/2000
4-Methyl-2-Pentanone	< 8	**ug/l**	8	25	50	10		8260	cps	10/17/2000
Acetone	< 16	**ug/l**	16	49	200	10		8260	cps	10/17/2000
Benzene	< 2.7	**ug/l**	2.7	8.6	0.5	10		8260	cps	10/17/2000
Bromobenzene	< 3.1	**ug/l**	3.1	9.9	ns	10		8260	cps	10/17/2000
Bromochloromethane	< 3.7	**ug/l**	3.7	12	ns	10		8260	cps	10/17/2000
Bromodichloromethane	< 3.8	**ug/l**	3.8	12	0.06	10		8260	cps	10/17/2000
Bromoform	< 3.9	**ug/l**	3.9	12	0.44	10		8260	cps	10/17/2000
Bromomethane	< 6.5	**ug/l**	6.5	21	1	10		8260	cps	10/17/2000
Carbon tetrachloride	< 2.7	**ug/l**	2.7	8.6	0.5	10		8260	cps	10/17/2000
Chlorobenzene	< 2.6	**ug/l**	2.6	8.3	20	10		8260	cps	10/17/2000
Chloroethane	< 6.4	**ug/l**	6.4	20	80	10		8260	cps	10/17/2000
Chloroform	< 2.4	**ug/l**	2.4	7.6	0.6	10		8260	cps	10/17/2000
Chloromethane	< 4.9	**ug/l**	4.9	16	0.3	10		8260	cps	10/17/2000
cis-1,2-Dichloroethene	42	**ug/l**	2.7	8.6	7	10		8260	cps	10/17/2000
cis-1,3-Dichloropropene	< 3.7	**ug/l**	3.7	12	0.02	10		8260	cps	10/17/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000780**
DATE REPORTED: 20-Oct-00
DATE RECEIVED: 16-Oct-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	10/17/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	10/17/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	10/17/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	10/17/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	10/17/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	10/17/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	10/17/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	10/17/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	10/17/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	10/17/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	10/17/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	10/17/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	10/17/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	10/17/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	10/17/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	10/17/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	10/17/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	10/17/2000
Tetrachloroethene	4.8	ug/l	3.1	9.9	0.5	10	J	8260	cps	10/17/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	10/17/2000
trans-1,2-Dichloroethene	16	ug/l	2.5	8	20	10		8260	cps	10/17/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	10/17/2000
Trichloroethene	500	ug/l	3.4	11	0.5	10		8260	cps	10/17/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	10/17/2000
Vinyl chloride	< 2	ug/l	2	6.4	0.02	10		8260	cps	10/17/2000

Sample Number: **21718** QC Prep Batch Number: 995428 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **001016WA07P** Sample Description: *Collection: 10/16/2000 Time: 09:02*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/17/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/17/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/17/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/17/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/17/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/17/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/17/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/17/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/17/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/17/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/17/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/17/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/17/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000780**
DATE REPORTED: 20-Oct-00
DATE RECEIVED: 16-Oct-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	10/17/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/17/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/17/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/17/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/17/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/17/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/17/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/17/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/17/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/17/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/17/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/17/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/17/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/17/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/17/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/17/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/17/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/17/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/17/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/17/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/17/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	10/17/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/17/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/17/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/17/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/17/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/17/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/17/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/17/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/17/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/17/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/17/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/17/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/17/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/17/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/17/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/17/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/17/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/17/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/17/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/17/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000780**
DATE REPORTED: 20-Oct-00
DATE RECEIVED: 16-Oct-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	10/17/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/17/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/17/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/17/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/17/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/17/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/17/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/17/2000

Sample Number: **21719** QC Prep Batch Number: 995428 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **001016WA08P** Sample Description: *Collection: 10/16/2000 Time: 09:05*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/17/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/17/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/17/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/17/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/17/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/17/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/17/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/17/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/17/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/17/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/17/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/17/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/17/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/17/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/17/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/17/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/17/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/17/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/17/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/17/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/17/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/17/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/17/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/17/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/17/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/17/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/17/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/17/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/17/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000780**
DATE REPORTED: 20-Oct-00
DATE RECEIVED: 16-Oct-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	10/17/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/17/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/17/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/17/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/17/2000
Chloroform	0.46	ug/l	0.24	0.76	0.6	1	J	8260	cps	10/17/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/17/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/17/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/17/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/17/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/17/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/17/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/17/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/17/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/17/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/17/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/17/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/17/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/17/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/17/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/17/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/17/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/17/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/17/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/17/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/17/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/17/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/17/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/17/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/17/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/17/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/17/2000

Sample Number: **21720** QC Prep Batch Number: 995428 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 10/16/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/17/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/17/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/17/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/17/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/17/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000780**
DATE REPORTED: 20-Oct-00
DATE RECEIVED: 16-Oct-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	10/17/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/17/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/17/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/17/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/17/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/17/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/17/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/17/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/17/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/17/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/17/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/17/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/17/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/17/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/17/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/17/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/17/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/17/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/17/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/17/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/17/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/17/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/17/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/17/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/17/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/17/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/17/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/17/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/17/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	10/17/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/17/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/17/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/17/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/17/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/17/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/17/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/17/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/17/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/17/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/17/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000780**
DATE REPORTED: 20-Oct-00
DATE RECEIVED: 16-Oct-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	10/17/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/17/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/17/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/17/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/17/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/17/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/17/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/17/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/17/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/17/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/17/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/17/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/17/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/17/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/17/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/17/2000

Sample Number: **21721** QC Prep Batch Number: 995428 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **001016WA09P** Sample Description: *Collection: 10/16/2000 Time: 08:30*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/17/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/17/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/17/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/17/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/17/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/17/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/17/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/17/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/17/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/17/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/17/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/17/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/17/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/17/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/17/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/17/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/17/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/17/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/17/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/17/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/17/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000780**
DATE REPORTED: 20-Oct-00
DATE RECEIVED: 16-Oct-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	10/17/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/17/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/17/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/17/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/17/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/17/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/17/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/17/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/17/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/17/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/17/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/17/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/17/2000
Chloroform	0.44	ug/l	0.24	0.76	0.6	1	J	8260	cps	10/17/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/17/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/17/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/17/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/17/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/17/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/17/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/17/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/17/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/17/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/17/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/17/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/17/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/17/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/17/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/17/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/17/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/17/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/17/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/17/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/17/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/17/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/17/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/17/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/17/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/17/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/17/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/17/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000780**
DATE REPORTED:	20-Oct-00
DATE RECEIVED:	16-Oct-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:** 10/24/00

James Chang, Ph.D. , Lab Director

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000761**
DATE REPORTED: 12-Oct-00
DATE RECEIVED: 09-Oct-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: **21642**		QC Prep Batch Number:		995387	*Sample analyzed within*		*1*	*Day(s) from collection.*		
Client ID: **001009WA01P** Sample Description:					*Collection:*	*10/9/2000*	*Time:*	*11:00*		
1,1,1,2-Tetrachloroethane	< 2.2	**ug/l**	2.2	7	ns	10		8260	cps	10/10/2000
1,1,1-Trichloroethane	126	**ug/l**	3.1	9.9	40	10		8260	cps	10/10/2000
1,1,2,2-Tetrachloroethane	< 4.4	**ug/l**	4.4	14	0.02	10		8260	cps	10/10/2000
1,1,2-Trichloroethane	< 4.4	**ug/l**	4.4	14	0.5	10		8260	cps	10/10/2000
1,1-Dichloroethane	23	**ug/l**	3.2	10	85	10		8260	cps	10/10/2000
1,1-Dichloroethene	9.2	**ug/l**	3.4	11	0.7	10	*J*	8260	cps	10/10/2000
1,1-Dichloropropene	< 4.3	**ug/l**	4.3	14	ns	10		8260	cps	10/10/2000
1,2,3-Trichlorobenzene	< 5	**ug/l**	5	16	ns	10		8260	cps	10/10/2000
1,2,3-Trichloropropane	< 5.1	**ug/l**	5.1	16	ns	10		8260	cps	10/10/2000
1,2,4-Trichlorobenzene	< 4.7	**ug/l**	4.7	15	14	10		8260	cps	10/10/2000
1,2,4-Trimethylbenzene	< 3	**ug/l**	3	9.5	ns	10		8260	cps	10/10/2000
1,2-Dibromoethane	< 4.6	**ug/l**	4.6	15	0.005	10		8260	cps	10/10/2000
1,2-Dichlorobenzene	< 3.4	**ug/l**	3.4	11	60	10		8260	cps	10/10/2000
1,2-Dichloroethane	< 3.5	**ug/l**	3.5	11	0.5	10		8260	cps	10/10/2000
1,2-Dichloropropane	< 3.2	**ug/l**	3.2	10	0.5	10		8260	cps	10/10/2000
1,3,5-Trimethylbenzene	< 3.4	**ug/l**	3.4	11	ns	10		8260	cps	10/10/2000
1,3-Dichlorobenzene	< 2.6	**ug/l**	2.6	8.3	125	10		8260	cps	10/10/2000
1,3-Dichloropropane	< 3.9	**ug/l**	3.9	12	ns	10		8260	cps	10/10/2000
1,4-Dichlorobenzene	< 3.6	**ug/l**	3.6	11	15	10		8260	cps	10/10/2000
12Dibromo-3-chloropropan	< 3.3	**ug/l**	3.3	10	0.02	10		8260	cps	10/10/2000
2,2-Dichloropropane	< 2.7	**ug/l**	2.7	8.6	ns	10		8260	cps	10/10/2000
2-Butanone (MEK)	< 14	**ug/l**	14	44	90	10		8260	cps	10/10/2000
2-Chloroethyl Vinyl Ether	< 7	**ug/l**	7	22	ns	10		8260	cps	10/10/2000
2-Chlorotoluene	< 3	**ug/l**	3	9.5	ns	10		8260	cps	10/10/2000
4-Chlorotoluene	< 2.6	**ug/l**	2.6	8.3	ns	10		8260	cps	10/10/2000
4-Methyl-2-Pentanone	< 8	**ug/l**	8	25	50	10		8260	cps	10/10/2000
Acetone	< 16	**ug/l**	16	49	200	10		8260	cps	10/10/2000
Benzene	< 2.7	**ug/l**	2.7	8.6	0.5	10		8260	cps	10/10/2000
Bromobenzene	< 3.1	**ug/l**	3.1	9.9	ns	10		8260	cps	10/10/2000
Bromochloromethane	< 3.7	**ug/l**	3.7	12	ns	10		8260	cps	10/10/2000
Bromodichloromethane	< 3.8	**ug/l**	3.8	12	0.06	10		8260	cps	10/10/2000
Bromoform	< 3.9	**ug/l**	3.9	12	0.44	10		8260	cps	10/10/2000
Bromomethane	< 6.5	**ug/l**	6.5	21	1	10		8260	cps	10/10/2000
Carbon tetrachloride	< 2.7	**ug/l**	2.7	8.6	0.5	10		8260	cps	10/10/2000
Chlorobenzene	< 2.6	**ug/l**	2.6	8.3	20	10		8260	cps	10/10/2000
Chloroethane	< 6.4	**ug/l**	6.4	20	80	10		8260	cps	10/10/2000
Chloroform	< 2.4	**ug/l**	2.4	7.6	0.6	10		8260	cps	10/10/2000
Chloromethane	< 4.9	**ug/l**	4.9	16	0.3	10		8260	cps	10/10/2000
cis-1,2-Dichloroethene	40	**ug/l**	2.7	8.6	7	10		8260	cps	10/10/2000
cis-1,3-Dichloropropene	< 3.7	**ug/l**	3.7	12	0.02	10		8260	cps	10/10/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000761**
DATE REPORTED: 12-Oct-00
DATE RECEIVED: 09-Oct-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	10/10/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	10/10/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	10/10/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	10/10/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	10/10/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	10/10/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	10/10/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	10/10/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	10/10/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	10/10/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	10/10/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	10/10/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	10/10/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	10/10/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	10/10/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	10/10/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	10/10/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	10/10/2000
Tetrachloroethene	4.7	ug/l	3.1	9.9	0.5	10	J	8260	cps	10/10/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	10/10/2000
trans-1,2-Dichloroethene	13	ug/l	2.5	8	20	10		8260	cps	10/10/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	10/10/2000
Trichloroethene	461	ug/l	3.4	11	0.5	10		8260	cps	10/10/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	10/10/2000
Vinyl chloride	< 2	ug/l	2	6.4	0.02	10		8260	cps	10/10/2000

Sample Number: **21647** QC Prep Batch Number: 995387 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **001009WA07P** Sample Description: *Collection: 10/9/2000 Time: 11:05*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/10/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/10/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/10/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/10/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/10/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/10/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/10/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/10/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/10/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/10/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/10/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/10/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/10/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000761**
DATE REPORTED: 12-Oct-00
DATE RECEIVED: 09-Oct-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	10/10/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/10/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/10/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/10/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/10/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/10/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/10/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/10/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/10/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/10/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/10/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/10/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/10/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/10/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/10/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/10/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/10/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/10/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/10/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/10/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/10/2000
Chloroform	0.28	ug/l	0.24	0.76	0.6	1	J	8260	cps	10/10/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/10/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/10/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/10/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/10/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/10/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/10/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/10/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/10/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/10/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/10/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/10/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/10/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/10/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/10/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/10/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/10/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/10/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/10/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/10/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000761**
DATE REPORTED: 12-Oct-00
DATE RECEIVED: 09-Oct-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	10/10/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/10/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/10/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/10/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/10/2000
Trichloroethene	1.3	ug/l	0.34	1.1	0.5	1		8260	cps	10/10/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/10/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/10/2000

Sample Number: **21648** QC Prep Batch Number: 995387 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **001009WA08P** Sample Description: *Collection: 10/9/2000 Time: 11:07*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/10/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/10/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/10/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/10/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/10/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/10/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/10/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/10/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/10/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/10/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/10/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/10/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/10/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/10/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/10/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/10/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/10/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/10/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/10/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/10/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/10/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/10/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/10/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/10/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/10/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/10/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/10/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/10/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/10/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000761**
DATE REPORTED: 12-Oct-00
DATE RECEIVED: 09-Oct-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	10/10/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/10/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/10/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/10/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/10/2000
Chloroform	0.45	ug/l	0.24	0.76	0.6	1	J	8260	cps	10/10/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/10/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/10/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/10/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/10/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/10/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/10/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/10/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/10/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/10/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/10/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/10/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/10/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/10/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/10/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/10/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/10/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/10/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/10/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/10/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/10/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/10/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/10/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/10/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/10/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/10/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/10/2000

Sample Number: **21649** QC Prep Batch Number: 995387 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 10/9/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/10/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/10/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/10/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/10/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/10/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000761**
DATE REPORTED: 12-Oct-00
DATE RECEIVED: 09-Oct-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	10/10/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/10/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/10/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/10/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/10/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/10/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/10/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/10/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/10/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/10/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/10/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/10/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/10/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/10/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/10/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/10/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/10/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/10/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/10/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/10/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/10/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/10/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/10/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/10/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/10/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/10/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/10/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/10/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/10/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	10/10/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/10/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/10/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/10/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/10/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/10/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/10/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/10/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/10/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/10/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/10/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000761**
DATE REPORTED: 12-Oct-00
DATE RECEIVED: 09-Oct-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	10/10/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/10/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/10/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/10/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/10/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/10/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/10/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/10/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/10/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/10/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/10/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/10/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/10/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/10/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/10/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/10/2000

Sample Number: **21650** QC Prep Batch Number: 995387 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **001009WA09P** Sample Description: *Collection: 10/9/2000 Time: 11:15*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/10/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/10/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/10/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/10/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/10/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/10/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/10/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/10/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/10/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/10/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/10/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/10/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/10/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/10/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/10/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/10/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/10/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/10/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/10/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/10/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/10/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000761**
DATE REPORTED: 12-Oct-00
DATE RECEIVED: 09-Oct-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	10/10/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/10/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/10/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/10/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/10/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/10/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/10/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/10/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/10/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/10/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/10/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/10/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/10/2000
Chloroform	0.41	ug/l	0.24	0.76	0.6	1	J	8260	cps	10/10/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/10/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/10/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/10/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/10/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/10/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/10/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/10/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/10/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/10/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/10/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/10/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/10/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/10/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/10/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/10/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/10/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/10/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/10/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/10/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/10/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/10/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/10/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/10/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/10/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/10/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/10/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/10/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000761**
DATE REPORTED:	12-Oct-00
DATE RECEIVED:	09-Oct-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:** 10/16/00

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

WDNR# 241340550

INVOICE NUMBER 20000761
DATE REPORTED: 17-Oct-00
DATE RECEIVED: 09-Oct-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: 21642
Client ID: **001009WA01P**
Collection: 10/9/2000 Time: 11:00
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	dmd	10/10/2000	*995375*	
Barium - ICAP	**0.1**	**mg/l**		**RJ**	0.007	0.02	200.7	tm	10/13/2000	*995393*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	dmd	10/12/2000	*995385*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	10/13/2000	*995393*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	10/13/2000	*995393*	
Iron - ICAP	**1.1**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	10/13/2000	*995393*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	dmd	10/12/2000	*995384*	
Manganese - ICAP	**0.12**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	10/13/2000	*995393*	
Mercury CV	**<0.0002**	**mg/l**		**DB**	0.0002	0.0006	245.1	tn	10/13/2000	*995392*	
Nickel - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	tm	10/13/2000	*995393*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	tm	10/13/2000	*995395*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	tm	10/13/2000	*995393*	
Thallium - Furnace AA	**<1.7**	**ug/l**		**RJ**	1.7	5.4	279.2	dmd	10/10/2000	*995374*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	tm	10/13/2000	*995393*	
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	12805	10/10/2000	*995403*	
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	10/11/2000	*995379*	
Cyanide, Total	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	10/11/2000	*995378*	
pH (water)	**7.1**	**s.u.**	#				150.1	tn	10/12/2000	*995383*	

Nova Sample Number: 21643
Client ID: **001009WA09R**
Collection: 10/9/2000 Time: 11:12
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	dmd	10/10/2000	*995375*	
Barium - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.007	0.02	200.7	tm	10/13/2000	*995393*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	dmd	10/12/2000	*995385*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	10/13/2000	*995393*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	10/13/2000	*995393*	
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	10/13/2000	*995393*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	dmd	10/12/2000	*995384*	
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	10/13/2000	*995393*	
Mercury CV	**<0.0002**	**mg/l**		**DB**	0.0002	0.0006	245.1	tn	10/13/2000	*995392*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	tm	10/13/2000	*995393*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000761**
DATE REPORTED: 17-Oct-00
DATE RECEIVED: 09-Oct-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	10/13/2000	*995395*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	10/13/2000	*995393*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	dmd	10/10/2000	*995374*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	10/13/2000	*995393*	
Nova Sample Number: 21644										
Client ID: **001009WA02P**								Collection: 10/9/2000		Time: 11:17
								Sample Description:		
pH (water)	**9.3**	**s.u.**	**#**			150.1	tn	10/12/2000	*995383*	
Nova Sample Number: 21645										
Client ID: **001009WA03P**								Collection: 10/9/2000		Time: 11:19
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	tn	10/12/2000	*995383*	
Nova Sample Number: 21646										
Client ID: **001009WA05P**								Collection: 10/9/2000		Time: 11:09
								Sample Description:		
pH (water)	**6.2**	**s.u.**	**#**			150.1	tn	10/12/2000	*995383*	
Nova Sample Number: 21650										
Client ID: **001009WA09P**								Collection: 10/9/2000		Time: 11:15
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	10/10/2000	*995403*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	10/11/2000	*995379*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	10/11/2000	*995378*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	tn	10/12/2000	*995383*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20000761**
DATE REPORTED: 17-Oct-00
DATE RECEIVED: 09-Oct-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Approved By: _____ **Date:** 10/17/00
James Chang, Ph.D. , Lab Director

DB *Results expressed as dry weight.*
RJ *Result expressed as Total.*
TTR *Result expressed as total and total recoverable.*

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

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

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ORGANIC REPORT

Dr. James Chang
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Milwaukee , WI 53223

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: **21549**		QC Prep Batch Number:	995348		*Sample analyzed within*	*2*	*Day(s)*	*from collection.*		
Client ID: **001002WA01P**	Sample Description:				*Collection:*	*10/2/2000*	*Time:*	*09:07*		
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	10/4/2000
1,1,1-Trichloroethane	172	ug/l	3.1	9.9	40	10		8260	cps	10/4/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	10/4/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	10/4/2000
1,1-Dichloroethane	30	ug/l	3.2	10	85	10		8260	cps	10/4/2000
1,1-Dichloroethene	13	ug/l	3.4	11	0.7	10		8260	cps	10/4/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	10/4/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	10/4/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	10/4/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	10/4/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	10/4/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	10/4/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	10/4/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	10/4/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	10/4/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	10/4/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	10/4/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	10/4/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	10/4/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	10/4/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	10/4/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	10/4/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	10/4/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	10/4/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	10/4/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	10/4/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	10/4/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	10/4/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	10/4/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	10/4/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	10/4/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	10/4/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	10/4/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	10/4/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	10/4/2000
Chloroethane	6.6	ug/l	6.4	20	80	10	J	8260	cps	10/4/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	10/4/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	10/4/2000
cis-1,2-Dichloroethene	46	ug/l	2.7	8.6	7	10		8260	cps	10/4/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	10/4/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-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	10/4/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	10/4/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	10/4/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	10/4/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	10/4/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	10/4/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	10/4/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	10/4/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	10/4/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	10/4/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	10/4/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	10/4/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	10/4/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	10/4/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	10/4/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	10/4/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	10/4/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	10/4/2000
Tetrachloroethene	5.2	ug/l	3.1	9.9	0.5	10	J	8260	cps	10/4/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	10/4/2000
trans-1,2-Dichloroethene	15	ug/l	2.5	8	20	10		8260	cps	10/4/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	10/4/2000
Trichloroethene	584	ug/l	3.4	11	0.5	10		8260	cps	10/4/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	10/4/2000
Vinyl chloride	< 2	ug/l	2	6.4	0.02	10		8260	cps	10/4/2000

Sample Number: **21554** QC Prep Batch Number: 995348 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **001002WA07P** Sample Description: *Collection: 10/2/2000 Time: 09:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/4/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/4/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/4/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/4/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/4/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/4/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/4/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/4/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/4/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/4/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/4/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/4/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/4/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-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	10/4/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/4/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/4/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/4/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/4/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/4/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/4/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/4/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/4/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/4/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/4/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/4/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/4/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/4/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/4/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/4/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/4/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	10/4/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/4/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/4/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/4/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/4/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/4/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/4/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/4/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/4/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/4/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/4/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/4/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/4/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/4/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/4/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/4/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/4/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/4/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-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	10/4/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/4/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/4/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/4/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/4/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/4/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/4/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/4/2000

Sample Number: **21555** QC Prep Batch Number: 995348 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **001002WA08P** Sample Description: *Collection: 10/2/2000 Time: 09:03*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/4/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/4/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/4/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/4/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/4/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/4/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/4/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/4/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/4/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/4/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/4/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/4/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/4/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/4/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/4/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/4/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/4/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/4/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/4/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/4/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/4/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/4/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/4/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/4/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/4/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/4/2000

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

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-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	10/4/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/4/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/4/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/4/2000
Chloroform	0.47	ug/l	0.24	0.76	0.6	1	J	8260	cps	10/4/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/4/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/4/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/4/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/4/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/4/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/4/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/4/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/4/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/4/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/4/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/4/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/4/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/4/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/4/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/4/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/4/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/4/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/4/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/4/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/4/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/4/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/4/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/4/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/4/2000

Sample Number: **21556** QC Prep Batch Number: 995348 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **001002WA07Q** Sample Description: *Collection: 10/2/2000 Time: 09:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1	8260	cps	10/4/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1	8260	cps	10/4/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1	8260	cps	10/4/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1	8260	cps	10/4/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1	8260	cps	10/4/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-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	10/4/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/4/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/4/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/4/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/4/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/4/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/4/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/4/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/4/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/4/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/4/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/4/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/4/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/4/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/4/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/4/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/4/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/4/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/4/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/4/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/4/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/4/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/4/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/4/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/4/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	10/4/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/4/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/4/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/4/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/4/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/4/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/4/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/4/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/4/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/4/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/4/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-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	10/4/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/4/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/4/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/4/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/4/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/4/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/4/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/4/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/4/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/4/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/4/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/4/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/4/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/4/2000

Sample Number: **21557** QC Prep Batch Number: 995348 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 10/2/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/4/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/4/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/4/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/4/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/4/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/4/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/4/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/4/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/4/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/4/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/4/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/4/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/4/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/4/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/4/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/4/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/4/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/4/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/4/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/4/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-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	10/4/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/4/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/4/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/4/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/4/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/4/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/4/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/4/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/4/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/4/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	10/4/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/4/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/4/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/4/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/4/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/4/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/4/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/4/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/4/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/4/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/4/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/4/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/4/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/4/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/4/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/4/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/4/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/4/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/4/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/4/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/4/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/4/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/4/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/4/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/4/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-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: **21558** QC Prep Batch Number: 995348 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **001002WA09P** Sample Description: *Collection: 10/2/2000 Time: 09:28*

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	10/4/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/4/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/4/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/4/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/4/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/4/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/4/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/4/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/4/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/4/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/4/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/4/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/4/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/4/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/4/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/4/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/4/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/4/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/4/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/4/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/4/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/4/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/4/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/4/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/4/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/4/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/4/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/4/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/4/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/4/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/4/2000
Chloroform	0.56	ug/l	0.24	0.76	0.6	1	J	8260	cps	10/4/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/4/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/4/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000737**
DATE REPORTED: 05-Oct-00
DATE RECEIVED: 02-Oct-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	10/4/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/4/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/4/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/4/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/4/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/4/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/4/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/4/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/4/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/4/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/4/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/4/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/4/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/4/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/4/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/4/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/4/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/4/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/4/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/4/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/4/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/4/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/4/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/4/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/4/2000

Approved By: _____ **Date:** 10/9/00

James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000737**
DATE REPORTED: 17-Oct-00
DATE RECEIVED: 02-Oct-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: 21549
Client ID: **001002WA01P**
Collection: 10/2/2000 Time: 09:07
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	10/2/2000	*995315*	
Barium - ICAP	**0.12**	**mg/l**		**RJ**	0.007	0.02	200.7	tm	10/6/2000	*995362*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	tm	10/2/2000	*995313*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	10/6/2000	*995362*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	10/6/2000	*995362*	
Iron - ICAP	**1.1**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	10/6/2000	*995362*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	tm	10/2/2000	*995314*	
Manganese - ICAP	**0.17**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	10/6/2000	*995362*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	tm	10/3/2000	*995342*	
Nickel - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	tm	10/6/2000	*995362*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	tm	10/3/2000	*995333*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	tm	10/6/2000	*995362*	
Thallium - Furnace AA	**<1.7**	**ug/l**		**RJ**	1.7	5.4	279.2	tm	10/3/2000	*995361*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	tm	10/6/2000	*995362*	
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	12805	10/3/2000	*995402*	
COD. Total	**18**	**mg/l**			3.4	11	410.4-CT	12805	10/11/2000	*995404*	
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	10/11/2000	*995379*	
Cyanide, Total	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	10/11/2000	*995378*	
pH (water)	**7**	**s.u.**	#				150.1	tn	10/5/2000	*995343*	
Solids, Total Suspended	**5**	**mg/l**			1	3.2	SM 2540D	tn	10/6/2000	*995355*	

Nova Sample Number: 21550
Client ID: **001002WA09R**
Collection: 10/2/2000 Time: 09:14
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	tm	10/2/2000	*995315*	
Barium - ICAP	**0.008**	**mg/l**	*J*	**RJ**	0.007	0.02	200.7	tm	10/6/2000	*995362*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	tm	10/2/2000	*995313*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	10/6/2000	*995362*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	10/6/2000	*995362*	
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	10/6/2000	*995362*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	tm	10/2/2000	*995314*	
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	10/6/2000	*995362*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000737**
DATE REPORTED: 17-Oct-00
DATE RECEIVED: 02-Oct-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**	**RJ**	0.0002	0.0006	245.1	tm	10/3/2000	*995342*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	10/6/2000	*995362*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	10/3/2000	*995333*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	10/6/2000	*995362*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	10/3/2000	*995361*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	tm	10/6/2000	*995362*	
COD. Total	**18**	**mg/l**		3.4	11	410.4-CT	12805	10/11/2000	*995404*	
Nitrate + Nitrite Nitrogen	**1.5**	**mg/l**	***J***	1.5	4.8	353.3	12805	10/10/2000	*995406*	
Nitrogen, Ammonia	**<0.1**	**mg/l**		0.1	0.32	350.1	12805	10/9/2000	*995405*	
Phosphorus, Total	**<0.1**	**mg/l**		0.1	0.32	365.2	12805	10/11/2000	*995407*	
Solids, Total Suspended	**0.5**	**mg/l**	***J***	1	3.2	SM 2540D	tn	10/6/2000	*995355*	

Nova Sample Number: 21551
Client ID: **001002WA02P**
Collection: 10/2/2000 Time: 09:10
Sample Description:

pH (water)	**9.7**	**s.u.**	**#**			150.1	tn	10/5/2000	*995343*	

Nova Sample Number: 21552
Client ID: **001002WA03P**
Collection: 10/2/2000 Time: 09:12
Sample Description:

pH (water)	**11**	**s.u.**	**#**			150.1	tn	10/5/2000	*995343*	

Nova Sample Number: 21553
Client ID: **001002WA05P**
Collection: 10/2/2000 Time: 09:58
Sample Description:

pH (water)	**7.2**	**s.u.**	**#**			150.1	tn	10/5/2000	*995343*	

Nova Sample Number: 21558
Client ID: **001002WA09P**
Collection: 10/2/2000 Time: 09:28
Sample Description:

Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	10/3/2000	*995402*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	10/11/2000	*995379*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	10/11/2000	*995378*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	tn	10/5/2000	*995343*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000737**
DATE REPORTED:	17-Oct-00
DATE RECEIVED:	02-Oct-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:** 10/17/00

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20000806**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 23-Oct-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Nova Sample Number: 21865
Client ID: **001023WA01P**
Collection: 10/23/2000 Time: 09:42
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	10/30/2000	*995505*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	10/27/2000	*995489*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	tm	10/31/2000	*995573*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	10/27/2000	*995489*	
Copper- ICAP	**0.03**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	10/27/2000	*995489*	
Iron - ICAP	**1.4**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	10/27/2000	*995489*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	10/26/2000	*995482*	
Manganese - ICAP	**0.14**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	10/27/2000	*995489*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	10/30/2000	*995502*	
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	10/27/2000	*995489*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	10/24/2000	*995453*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	10/27/2000	*995489*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	10/30/2000	*995501*	
Zinc - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	10/27/2000	*995489*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	10/24/2000	*995509*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	10/30/2000	*995495*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	10/30/2000	*995496*	
pH (water)	**7.2**	**s.u.**	**#** **RJ**			150.1	dpg	10/31/2000	*995508*	

Nova Sample Number: 21866
Client ID: **001023WA09R**
Collection: 10/23/2000 Time: 10:00
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	10/30/2000	*995505*	
Barium - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	tm	10/27/2000	*995489*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	tm	10/31/2000	*995573*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	10/27/2000	*995489*	
Copper- ICAP	**0.03**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	10/27/2000	*995489*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	10/27/2000	*995489*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	10/26/2000	*995482*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	10/27/2000	*995489*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	10/30/2000	*995502*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	10/27/2000	*995489*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000806**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 23-Oct-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	10/24/2000	*995453*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	10/27/2000	*995489*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	10/30/2000	*995501*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	10/27/2000	*995489*	
Nova Sample Number: 21867										
Client ID: **001023WA02P**								Collection: 10/23/2000		Time: 10:02
								Sample Description:		
pH (water)	**9.4**	**s.u.**	**# RJ**			150.1	dpg	10/31/2000	*995508*	
Nova Sample Number: 21868										
Client ID: **001023WA03P**								Collection: 10/23/2000		Time: 10:04
								Sample Description:		
pH (water)	**11**	**s.u.**	**# RJ**			150.1	dpg	10/31/2000	*995508*	
Nova Sample Number: 21869										
Client ID: **001023WA05P**								Collection: 10/23/2000		Time: 09:47
								Sample Description:		
pH (water)	**8.9**	**s.u.**	**# RJ**			150.1	dpg	10/31/2000	*995508*	
Nova Sample Number: 21873										
Client ID: **001023WA09P**								Collection: 10/23/2000		Time: 09:55
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	10/24/2000	*995509*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	10/30/2000	*995495*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	10/30/2000	*995496*	
pH (water)	**8.2**	**s.u.**	**# RJ**			150.1	dpg	10/31/2000	*995508*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000806**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 23-Oct-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:** 11/2/00
James Chang, Ph.D. , Lab Director

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

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000806**
DATE REPORTED: 27-Oct-00
DATE RECEIVED: 23-Oct-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: **21865**		QC Prep Batch Number: 995487			*Sample analyzed within*		*2 Day(s) from collection.*			
Client ID: **001023WA01P**	Sample Description:				*Collection: 10/23/2000*		*Time: 09:42*			
1,1,1,2-Tetrachloroethane	< 2.2	**ug/l**	2.2	7	ns	10		8260	cps	10/25/2000
1,1,1-Trichloroethane	143	**ug/l**	3.1	9.9	40	10		8260	cps	10/25/2000
1,1,2,2-Tetrachloroethane	< 4.4	**ug/l**	4.4	14	0.02	10		8260	cps	10/25/2000
1,1,2-Trichloroethane	< 4.4	**ug/l**	4.4	14	0.5	10		8260	cps	10/25/2000
1,1-Dichloroethane	25	**ug/l**	3.2	10	85	10		8260	cps	10/25/2000
1,1-Dichloroethene	11	**ug/l**	3.4	11	0.7	10		8260	cps	10/25/2000
1,1-Dichloropropene	< 4.3	**ug/l**	4.3	14	ns	10		8260	cps	10/25/2000
1,2,3-Trichlorobenzene	< 5	**ug/l**	5	16	ns	10		8260	cps	10/25/2000
1,2,3-Trichloropropane	< 5.1	**ug/l**	5.1	16	ns	10		8260	cps	10/25/2000
1,2,4-Trichlorobenzene	< 4.7	**ug/l**	4.7	15	14	10		8260	cps	10/25/2000
1,2,4-Trimethylbenzene	< 3	**ug/l**	3	9.5	ns	10		8260	cps	10/25/2000
1,2-Dibromoethane	< 4.6	**ug/l**	4.6	15	0.005	10		8260	cps	10/25/2000
1,2-Dichlorobenzene	< 3.4	**ug/l**	3.4	11	60	10		8260	cps	10/25/2000
1,2-Dichloroethane	< 3.5	**ug/l**	3.5	11	0.5	10		8260	cps	10/25/2000
1,2-Dichloropropane	< 3.2	**ug/l**	3.2	10	0.5	10		8260	cps	10/25/2000
1,3,5-Trimethylbenzene	< 3.4	**ug/l**	3.4	11	ns	10		8260	cps	10/25/2000
1,3-Dichlorobenzene	< 2.6	**ug/l**	2.6	8.3	125	10		8260	cps	10/25/2000
1,3-Dichloropropane	< 3.9	**ug/l**	3.9	12	ns	10		8260	cps	10/25/2000
1,4-Dichlorobenzene	< 3.6	**ug/l**	3.6	11	15	10		8260	cps	10/25/2000
12Dibromo-3-chloropropan	< 3.3	**ug/l**	3.3	10	0.02	10		8260	cps	10/25/2000
2,2-Dichloropropane	< 2.7	**ug/l**	2.7	8.6	ns	10		8260	cps	10/25/2000
2-Butanone (MEK)	< 14	**ug/l**	14	44	90	10		8260	cps	10/25/2000
2-Chloroethyl Vinyl Ether	< 7	**ug/l**	7	22	ns	10		8260	cps	10/25/2000
2-Chlorotoluene	< 3	**ug/l**	3	9.5	ns	10		8260	cps	10/25/2000
4-Chlorotoluene	< 2.6	**ug/l**	2.6	8.3	ns	10		8260	cps	10/25/2000
4-Methyl-2-Pentanone	< 8	**ug/l**	8	25	50	10		8260	cps	10/25/2000
Acetone	< 16	**ug/l**	16	49	200	10		8260	cps	10/25/2000
Benzene	< 2.7	**ug/l**	2.7	8.6	0.5	10		8260	cps	10/25/2000
Bromobenzene	< 3.1	**ug/l**	3.1	9.9	ns	10		8260	cps	10/25/2000
Bromochloromethane	< 3.7	**ug/l**	3.7	12	ns	10		8260	cps	10/25/2000
Bromodichloromethane	< 3.8	**ug/l**	3.8	12	0.06	10		8260	cps	10/25/2000
Bromoform	< 3.9	**ug/l**	3.9	12	0.44	10		8260	cps	10/25/2000
Bromomethane	< 6.5	**ug/l**	6.5	21	1	10		8260	cps	10/25/2000
Carbon tetrachloride	< 2.7	**ug/l**	2.7	8.6	0.5	10		8260	cps	10/25/2000
Chlorobenzene	< 2.6	**ug/l**	2.6	8.3	20	10		8260	cps	10/25/2000
Chloroethane	9	**ug/l**	6.4	20	80	10	*J*	8260	cps	10/25/2000
Chloroform	< 2.4	**ug/l**	2.4	7.6	0.6	10		8260	cps	10/25/2000
Chloromethane	< 4.9	**ug/l**	4.9	16	0.3	10		8260	cps	10/25/2000
cis-1,2-Dichloroethene	40	**ug/l**	2.7	8.6	7	10		8260	cps	10/25/2000
cis-1,3-Dichloropropene	< 3.7	**ug/l**	3.7	12	0.02	10		8260	cps	10/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000806**
DATE REPORTED: 27-Oct-00
DATE RECEIVED: 23-Oct-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	10/25/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	10/25/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	10/25/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	10/25/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	10/25/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	10/25/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	10/25/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	10/25/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	10/25/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	10/25/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	10/25/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	10/25/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	10/25/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	10/25/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	10/25/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	10/25/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	10/25/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	10/25/2000
Tetrachloroethene	5.1	ug/l	3.1	9.9	0.5	10	J	8260	cps	10/25/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	10/25/2000
trans-1,2-Dichloroethene	13	ug/l	2.5	8	20	10		8260	cps	10/25/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	10/25/2000
Trichloroethene	465	ug/l	3.4	11	0.5	10		8260	cps	10/25/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	10/25/2000
Vinyl chloride	< 2	ug/l	2	6.4	0.02	10		8260	cps	10/25/2000

Sample Number: **21870** QC Prep Batch Number: 995487 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **001023WA07P** Sample Description: *Collection: 10/23/2000 Time: 09:50*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/25/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/25/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/25/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/25/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/25/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/25/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/25/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/25/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/25/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/25/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/25/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/25/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000806**
DATE REPORTED: 27-Oct-00
DATE RECEIVED: 23-Oct-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	10/25/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/25/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/25/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/25/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/25/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/25/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/25/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/25/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/25/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/25/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/25/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/25/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/25/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/25/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/25/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/25/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/25/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/25/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/25/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/25/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/25/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	10/25/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/25/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/25/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/25/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/25/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/25/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/25/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/25/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/25/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/25/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/25/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/25/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/25/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/25/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/25/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/25/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/25/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/25/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/25/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000806**
DATE REPORTED: 27-Oct-00
DATE RECEIVED: 23-Oct-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	10/25/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/25/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/25/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/25/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/25/2000
Trichloroethene	0.5	ug/l	0.34	1.1	0.5	1	J	8260	cps	10/25/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/25/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/25/2000

Sample Number: **21871** QC Prep Batch Number: 995487 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **001023WA08P** Sample Description: *Collection: 10/23/2000 Time: 09:52*

1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	Admin	10/25/2000
1,1,1-Trichloroethane	< 3.1	ug/l	3.1	9.9	40	10		8260	Admin	10/25/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	Admin	10/25/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	Admin	10/25/2000
1,1-Dichloroethane	< 3.2	ug/l	3.2	10	85	10		8260	Admin	10/25/2000
1,1-Dichloroethene	< 3.4	ug/l	3.4	11	0.7	10		8260	Admin	10/25/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	Admin	10/25/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	Admin	10/25/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	Admin	10/25/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	Admin	10/25/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	Admin	10/25/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	Admin	10/25/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	Admin	10/25/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	Admin	10/25/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	Admin	10/25/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	Admin	10/25/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	Admin	10/25/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	Admin	10/25/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	Admin	10/25/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	Admin	10/25/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	Admin	10/25/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	Admin	10/25/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	Admin	10/25/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	Admin	10/25/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	Admin	10/25/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	Admin	10/25/2000
Acetone	< 16	ug/l	16	49	200	10		8260	Admin	10/25/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	Admin	10/25/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	Admin	10/25/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	Admin	10/25/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	Admin	10/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000806**
DATE REPORTED: 27-Oct-00
DATE RECEIVED: 23-Oct-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	< 3.9	**ug/l**	3.9	12	0.44	10		8260	Admin	10/25/2000
Bromomethane	< 6.5	**ug/l**	6.5	21	1	10		8260	Admin	10/25/2000
Carbon tetrachloride	< 2.7	**ug/l**	2.7	8.6	0.5	10		8260	Admin	10/25/2000
Chlorobenzene	< 2.6	**ug/l**	2.6	8.3	20	10		8260	Admin	10/25/2000
Chloroethane	< 6.4	**ug/l**	6.4	20	80	10		8260	Admin	10/25/2000
Chloroform	4.4	**ug/l**	2.4	7.6	0.6	10	*J*	8260	Admin	10/25/2000
Chloromethane	< 4.9	**ug/l**	4.9	16	0.3	10		8260	Admin	10/25/2000
cis-1,2-Dichloroethene	< 2.7	**ug/l**	2.7	8.6	7	10		8260	Admin	10/25/2000
cis-1,3-Dichloropropene	< 3.7	**ug/l**	3.7	12	0.02	10		8260	Admin	10/25/2000
Dibromochloromethane	< 4.1	**ug/l**	4.1	13	6	10		8260	Admin	10/25/2000
Dibromomethane	< 4.6	**ug/l**	4.6	15	ns	10		8260	Admin	10/25/2000
Dichlorodifluoromethane	< 2.7	**ug/l**	2.7	8.6	200	10		8260	Admin	10/25/2000
Ethylbenzene	< 2.5	**ug/l**	2.5	8	140	10		8260	Admin	10/25/2000
Hexachlorobutadiene	< 4.2	**ug/l**	4.2	13	ns	10		8260	Admin	10/25/2000
Isopropyl Ether	< 3	**ug/l**	3	9.5	ns	10		8260	Admin	10/25/2000
Isopropylbenzene	< 3.3	**ug/l**	3.3	10	ns	10		8260	Admin	10/25/2000
m&p-xylene	< 5.3	**ug/l**	5.3	17	124	10		8260	Admin	10/25/2000
Methyl-t-butyl ether	< 3.9	**ug/l**	3.9	12	12	10		8260	Admin	10/25/2000
Methylene chloride	< 3	**ug/l**	3	9.5	0.5	10		8260	Admin	10/25/2000
n-Butylbenzene	< 3.6	**ug/l**	3.6	11	ns	10		8260	Admin	10/25/2000
n-Propylbenzene	< 2.8	**ug/l**	2.8	8.9	ns	10		8260	Admin	10/25/2000
Naphthalene	< 7.5	**ug/l**	7.5	24	8	10		8260	Admin	10/25/2000
o-xylene	< 2.5	**ug/l**	2.5	8	124	10		8260	Admin	10/25/2000
p-Isopropyltoluene	< 3.1	**ug/l**	3.1	9.9	ns	10		8260	Admin	10/25/2000
sec-Butylbenzene	< 3.4	**ug/l**	3.4	11	ns	10		8260	Admin	10/25/2000
Styrene	< 2.5	**ug/l**	2.5	8	10	10		8260	Admin	10/25/2000
tert-Butylbenzene	< 3	**ug/l**	3	9.5	ns	10		8260	Admin	10/25/2000
Tetrachloroethene	< 3.1	**ug/l**	3.1	9.9	0.5	10		8260	Admin	10/25/2000
Toluene	< 2.9	**ug/l**	2.9	9.2	68.6	10		8260	Admin	10/25/2000
trans-1,2-Dichloroethene	< 2.5	**ug/l**	2.5	8	20	10		8260	Admin	10/25/2000
trans-1,3-Dichloropropene	< 2.6	**ug/l**	2.6	8.3	0.02	10		8260	Admin	10/25/2000
Trichloroethene	< 3.4	**ug/l**	3.4	11	0.5	10		8260	Admin	10/25/2000
Trichlorofluoromethane	< 2.4	**ug/l**	2.4	7.6	ns	10		8260	Admin	10/25/2000
Vinyl chloride	< 2	**ug/l**	2	6.4	0.02	10		8260	Admin	10/25/2000

Sample Number: **21872** QC Prep Batch Number: 995487 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 10/23/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.7	ns	1	8260	cps	10/25/2000
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	40	1	8260	cps	10/25/2000
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	0.02	1	8260	cps	10/25/2000
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	0.5	1	8260	cps	10/25/2000
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1	85	1	8260	cps	10/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000806**
DATE REPORTED: 27-Oct-00
DATE RECEIVED: 23-Oct-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	10/25/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/25/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/25/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/25/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/25/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/25/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/25/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/25/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/25/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/25/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/25/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/25/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/25/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/25/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/25/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/25/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	10/25/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/25/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/25/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/25/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/25/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/25/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/25/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/25/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/25/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/25/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/25/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/25/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/25/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	10/25/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/25/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/25/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/25/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/25/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/25/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/25/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/25/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/25/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/25/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000806**
DATE REPORTED: 27-Oct-00
DATE RECEIVED: 23-Oct-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	10/25/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/25/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/25/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/25/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/25/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/25/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/25/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/25/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/25/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/25/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/25/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/25/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/25/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/25/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/25/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/25/2000

Sample Number: **21873** QC Prep Batch Number: 995487 *Sample analyzed within 2 Day(s) from collection.*
Client ID: **001023WA09P** Sample Description: *Collection: 10/23/2000 Time: 09:55*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	10/25/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	10/25/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	10/25/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	10/25/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	10/25/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	10/25/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	10/25/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	10/25/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	10/25/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	10/25/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	10/25/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	10/25/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	10/25/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	10/25/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/25/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	10/25/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	10/25/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	10/25/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	10/25/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	10/25/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	10/25/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000806**
DATE REPORTED: 27-Oct-00
DATE RECEIVED: 23-Oct-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	10/25/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	10/25/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	10/25/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	10/25/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/25/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/25/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	10/25/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	10/25/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	10/25/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	10/25/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	10/25/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	10/25/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	10/25/2000
Chloroform	0.46	ug/l	0.24	0.76	0.6	1	J	8260	cps	10/25/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	10/25/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	10/25/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	10/25/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	10/25/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	10/25/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	10/25/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	10/25/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	10/25/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	10/25/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	10/25/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	10/25/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	10/25/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	10/25/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	10/25/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	10/25/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	10/25/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	10/25/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	10/25/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	10/25/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	10/25/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	10/25/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	10/25/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	10/25/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	10/25/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	10/25/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	10/25/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	10/25/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000806**
DATE REPORTED:	27-Oct-00
DATE RECEIVED:	23-Oct-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:** 10/30/

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 **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Nova Sample Number: 21988
Client ID: **001030WA01P**
Collection: 10/30/2000 Time: 08:42
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	10/30/2000	995505	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	tm	11/1/2000	995560	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	tm	11/1/2000	995574	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	11/1/2000	995560	
Copper- ICAP	0.006	mg/l	J RJ	0.006	0.02	200.7	tm	11/1/2000	995560	
Iron - ICAP	0.9	mg/l	RJ	0.081	0.26	200.7	tm	11/1/2000	995560	
Lead - Furnace AA	<1.5	ug/l	TTR	1.5	4.8	239.2	tm	11/6/2000	995578	
Manganese - ICAP	0.14	mg/l	RJ	0.006	0.02	200.7	tm	11/1/2000	995560	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	11/7/2000	995584	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	tm	11/1/2000	995560	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	11/6/2000	995575	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	11/1/2000	995560	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	10/30/2000	995501	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	tm	11/1/2000	995560	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	12805	10/30/2000	995572	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	11/2/2000	995540	
Cyanide, Total	0.03	mg/l		0.006	0.02	335.2	dmd	11/2/2000	995536	
pH (water)	7.2	s.u.	# RJ			150.1	jc	10/30/2000	995506	

Nova Sample Number: 21989
Client ID: **001030WA09R**
Collection: 10/30/2000 Time: 08:50
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	10/30/2000	995505	
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	tm	11/1/2000	995560	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	tm	10/31/2000	995573	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	11/1/2000	995560	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	11/1/2000	995560	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	tm	11/1/2000	995560	
Lead - Furnace AA	<1.5	ug/l	TTR	1.5	4.8	239.2	tm	11/6/2000	995578	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	11/1/2000	995560	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	11/7/2000	995584	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	11/1/2000	995560	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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	11/6/2000	*995575*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	11/1/2000	*995560*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	10/30/2000	*995501*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	tm	11/1/2000	*995560*	
Nova Sample Number: 21990										
Client ID: **001030WA02P**								Collection: 10/30/2000		Time: 08:56
								Sample Description:		
pH (water)	**9.7**	**s.u.**	**# RJ**			150.1	jc	10/30/2000	*995506*	
Nova Sample Number: 21991										
Client ID: **001030WA03P**								Collection: 10/30/2000		Time: 08:58
								Sample Description:		
pH (water)	**12**	**s.u.**	**# RJ**			150.1	jc	10/30/2000	*995506*	
Nova Sample Number: 21992										
Client ID: **001030WA05P**								Collection: 10/30/2000		Time: 08:48
								Sample Description:		
pH (water)	**7.3**	**s.u.**	**# RJ**			150.1	jc	10/30/2000	*995506*	
Nova Sample Number: 21996										
Client ID: **001030WA09P**								Collection: 10/30/2000		Time: 08:50
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	12805	10/30/2000	*995572*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	11/2/2000	*995540*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	11/2/2000	*995536*	
pH (water)	**7.7**	**s.u.**	**# RJ**			150.1	jc	10/30/2000	*995506*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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:** 11/9/00
James Chang, Ph.D. , Lab Director

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

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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: 21988 QC Prep Batch Number: 995551 Collection: 10/30/2000 Time: 08:42
Client ID: 001030WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	2		8260	qh	11/2/2000 / 11/2/2000
1,1,1-Trichloroethane	165	ug/l	0.62	2.0	2		8260	qh	11/2/2000 / 11/2/2000
1,1,2,2-Tetrachloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	11/2/2000 / 11/2/2000
1,1,2-Trichloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethane	<0.64	ug/l	0.64	2.0	2		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethene	29	ug/l	0.68	2.2	2		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloropropene	<0.86	ug/l	0.86	2.7	2		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichlorobenzene	<1.0	ug/l	1.0	3.2	2		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichloropropane	<1.0	ug/l	1.0	3.2	2		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trichlorobenzene	<0.94	ug/l	0.94	3.0	2		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trimethylbenzene	<0.60	ug/l	0.60	1.9	2		8260	qh	11/2/2000 / 11/2/2000
1,2-Dibromoethane	<0.92	ug/l	0.92	2.9	2		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichlorobenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloroethane	<0.70	ug/l	0.70	2.2	2		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloropropane	<0.64	ug/l	0.64	2.0	2		8260	qh	11/2/2000 / 11/2/2000
1,3,5-Trimethylbenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	11/2/2000 / 11/2/2000
1,3-Dichlorobenzene	<0.52	ug/l	0.52	1.7	2		8260	qh	11/2/2000 / 11/2/2000
1,3-Dichloropropane	<0.78	ug/l	0.78	2.5	2		8260	qh	11/2/2000 / 11/2/2000
1,4-Dichlorobenzene	<0.72	ug/l	0.72	2.3	2		8260	qh	11/2/2000 / 11/2/2000
12Dibromo-3-chloropropan	<0.66	ug/l	0.66	2.1	2		8260	qh	11/2/2000 / 11/2/2000
2,2-Dichloropropane	<0.54	ug/l	0.54	1.7	2		8260	qh	11/2/2000 / 11/2/2000
2-Butanone (MEK)	<2.8	ug/l	2.8	8.8	2		8260	qh	11/2/2000 / 11/2/2000
2-Chloroethyl Vinyl Ether	<1.4	ug/l	1.4	4.5	2		8260	qh	11/2/2000 / 11/2/2000
2-Chlorotoluene	<0.60	ug/l	0.60	1.9	2		8260	qh	11/2/2000 / 11/2/2000
4-Chlorotoluene	<0.52	ug/l	0.52	1.7	2		8260	qh	11/2/2000 / 11/2/2000
4-Methyl-2-Pentanone	<1.6	ug/l	1.6	5.1	2		8260	qh	11/2/2000 / 11/2/2000
Acetone	<3.1	ug/l	3.1	9.9	2		8260	qh	11/2/2000 / 11/2/2000
Benzene	<0.54	ug/l	0.54	1.7	2		8260	qh	11/2/2000 / 11/2/2000
Bromobenzene	<0.62	ug/l	0.62	2.0	2		8260	qh	11/2/2000 / 11/2/2000
Bromochloromethane	<0.74	ug/l	0.74	2.4	2		8260	qh	11/2/2000 / 11/2/2000
Bromodichloromethane	<0.76	ug/l	0.76	2.4	2		8260	qh	11/2/2000 / 11/2/2000
Bromoform	<0.78	ug/l	0.78	2.5	2		8260	qh	11/2/2000 / 11/2/2000
Bromomethane	<1.3	ug/l	1.3	4.1	2		8260	qh	11/2/2000 / 11/2/2000
Carbon tetrachloride	<0.54	ug/l	0.54	1.7	2		8260	qh	11/2/2000 / 11/2/2000
Chlorobenzene	<0.52	ug/l	0.52	1.7	2		8260	qh	11/2/2000 / 11/2/2000
Chloroethane	<1.3	ug/l	1.3	4.1	2		8260	qh	11/2/2000 / 11/2/2000
Chloroform	<0.48	ug/l	0.48	1.5	2		8260	qh	11/2/2000 / 11/2/2000
Chloromethane	6.5	ug/l	0.98	3.1	2		8260	qh	11/2/2000 / 11/2/2000
cis-1,2-Dichloroethene	41	ug/l	0.54	1.7	2		8260	qh	11/2/2000 / 11/2/2000
cis-1,3-Dichloropropene	<0.74	ug/l	0.74	2.4	2		8260	qh	11/2/2000 / 11/2/2000
Dibromochloromethane	<0.82	ug/l	0.82	2.6	2		8260	qh	11/2/2000 / 11/2/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<0.92	ug/l	0.92	2.9	2		8260	qh	11/2/2000 / 11/2/2000
Dichlorodifluoromethane	<0.54	ug/l	0.54	1.7	2		8260	qh	11/2/2000 / 11/2/2000
Ethylbenzene	<0.50	ug/l	0.50	1.6	2		8260	qh	11/2/2000 / 11/2/2000
Hexachlorobutadiene	<0.84	ug/l	0.84	2.7	2		8260	qh	11/2/2000 / 11/2/2000
Isopropyl Ether	<0.60	ug/l	0.60	1.9	2		8260	qh	11/2/2000 / 11/2/2000
Isopropylbenzene	<0.66	ug/l	0.66	2.1	2		8260	qh	11/2/2000 / 11/2/2000
m&p-xylene	<1.1	ug/l	1.1	3.4	2		8260	qh	11/2/2000 / 11/2/2000
Methyl-t-butyl ether	<0.78	ug/l	0.78	2.5	2		8260	qh	11/2/2000 / 11/2/2000
Methylene chloride	<0.60	ug/l	0.60	1.9	2		8260	qh	11/2/2000 / 11/2/2000
n-Butylbenzene	<0.72	ug/l	0.72	2.3	2		8260	qh	11/2/2000 / 11/2/2000
n-Propylbenzene	<0.56	ug/l	0.56	1.8	2		8260	qh	11/2/2000 / 11/2/2000
Naphthalene	<1.5	ug/l	1.5	4.8	2		8260	qh	11/2/2000 / 11/2/2000
o-xylene	<0.50	ug/l	0.50	1.6	2		8260	qh	11/2/2000 / 11/2/2000
p-Isopropyltoluene	<0.62	ug/l	0.62	2.0	2		8260	qh	11/2/2000 / 11/2/2000
sec-Butylbenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	11/2/2000 / 11/2/2000
Styrene	<0.50	ug/l	0.50	1.6	2		8260	qh	11/2/2000 / 11/2/2000
tert-Butylbenzene	<0.60	ug/l	0.60	1.9	2		8260	qh	11/2/2000 / 11/2/2000
Tetrachloroethene	4.6	ug/l	0.62	2.0	2		8260	qh	11/2/2000 / 11/2/2000
Toluene	<0.58	ug/l	0.58	1.8	2		8260	qh	11/2/2000 / 11/2/2000
trans-1,2-Dichloroethene	<0.50	ug/l	0.50	1.6	2		8260	qh	11/2/2000 / 11/2/2000
trans-1,3-Dichloropropene	<0.52	ug/l	0.52	1.7	2		8260	qh	11/2/2000 / 11/2/2000
Trichloroethene	499	ug/l	0.68	2.2	2		8260	qh	11/2/2000 / 11/2/2000
Trichlorofluoromethane	<0.48	ug/l	0.48	1.5	2		8260	qh	11/2/2000 / 11/2/2000
Vinyl chloride	<0.40	ug/l	0.40	1.3	2		8260	qh	11/2/2000 / 11/2/2000

Sample Number: 21993 QC Prep Batch Number: 995551 Collection: 10/30/2000 Time: 08:52
Client ID: 001030WA07P Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	11/2/2000 / 11/2/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/2/2000 / 11/2/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/2/2000 / 11/2/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	11/2/2000 / 11/2/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	11/2/2000 / 11/2/2000
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	11/2/2000 / 11/2/2000
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	11/2/2000 / 11/2/2000
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	11/2/2000 / 11/2/2000
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	11/2/2000 / 11/2/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	11/2/2000 / 11/2/2000
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	11/2/2000 / 11/2/2000
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	11/2/2000 / 11/2/2000
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	11/2/2000 / 11/2/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/2/2000 / 11/2/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	11/2/2000 / 11/2/2000
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	11/2/2000 / 11/2/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	11/2/2000 / 11/2/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/2/2000 / 11/2/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	11/2/2000 / 11/2/2000
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	11/2/2000 / 11/2/2000
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	11/2/2000 / 11/2/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
Trichloroethene	1.8	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	11/2/2000 / 11/2/2000
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	11/2/2000 / 11/2/2000

Sample Number: 21994 QC Prep Batch Number: 995551 Collection: 10/30/2000 Time: 08:54
Client ID: 001030WA08P Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	11/2/2000 / 11/2/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/2/2000 / 11/2/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/2/2000 / 11/2/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	11/2/2000 / 11/2/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	11/2/2000 / 11/2/2000
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	11/2/2000 / 11/2/2000
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	11/2/2000 / 11/2/2000
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	11/2/2000 / 11/2/2000
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	11/2/2000 / 11/2/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	11/2/2000 / 11/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	11/2/2000 / 11/2/2000
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	11/2/2000 / 11/2/2000
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	11/2/2000 / 11/2/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/2/2000 / 11/2/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	11/2/2000 / 11/2/2000
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	11/2/2000 / 11/2/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	11/2/2000 / 11/2/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/2/2000 / 11/2/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	11/2/2000 / 11/2/2000
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	11/2/2000 / 11/2/2000
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	11/2/2000 / 11/2/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	11/2/2000 / 11/2/2000
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	11/2/2000 / 11/2/2000

Sample Number: 21995 QC Prep Batch Number: 995551 Collection: 10/30/2000 Time:
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	11/2/2000 / 11/2/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/2/2000 / 11/2/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/2/2000 / 11/2/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	11/2/2000 / 11/2/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	11/2/2000 / 11/2/2000
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	11/2/2000 / 11/2/2000
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	11/2/2000 / 11/2/2000
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	11/2/2000 / 11/2/2000
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	11/2/2000 / 11/2/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	11/2/2000 / 11/2/2000
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	11/2/2000 / 11/2/2000
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	11/2/2000 / 11/2/2000
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	11/2/2000 / 11/2/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/2/2000 / 11/2/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	11/2/2000 / 11/2/2000
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	11/2/2000 / 11/2/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	11/2/2000 / 11/2/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Methylene chloride	1.9	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/2/2000 / 11/2/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	11/2/2000 / 11/2/2000
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	11/2/2000 / 11/2/2000
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	11/2/2000 / 11/2/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	11/2/2000 / 11/2/2000
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	11/2/2000 / 11/2/2000

Sample Number: 21996 QC Prep Batch Number: 995551 Collection: 10/30/2000 Time: 08:50
Client ID: 001030WA09P Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	11/2/2000 / 11/2/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	11/2/2000 / 11/2/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	11/2/2000 / 11/2/2000
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/2/2000 / 11/2/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/2/2000 / 11/2/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	11/2/2000 / 11/2/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	11/2/2000 / 11/2/2000
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	11/2/2000 / 11/2/2000
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	11/2/2000 / 11/2/2000
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	11/2/2000 / 11/2/2000
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	11/2/2000 / 11/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000826**
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 30-Oct-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	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/2/2000 / 11/2/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/2/2000 / 11/2/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/2/2000 / 11/2/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/2/2000 / 11/2/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/2/2000 / 11/2/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/2/2000 / 11/2/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/2/2000 / 11/2/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/2/2000 / 11/2/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/2/2000 / 11/2/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/2/2000 / 11/2/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/2/2000 / 11/2/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/2/2000 / 11/2/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/2/2000 / 11/2/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/2/2000 / 11/2/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/2/2000 / 11/2/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/2/2000 / 11/2/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/2/2000 / 11/2/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/2/2000 / 11/2/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/2/2000 / 11/2/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/2/2000 / 11/2/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/2/2000 / 11/2/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/2/2000 / 11/2/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000826**
DATE REPORTED:	09-Nov-00
DATE RECEIVED:	30-Oct-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	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: _____ **Date:** 11/7/00

James Chang, Ph.D. , Lab Director

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

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

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000828**
DATE REPORTED: 16-Nov-00
DATE RECEIVED: 30-Oct-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: 21998
Client ID: **001024SC13P**

Collection: 10/24/2000 Time: 06:35
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Total - ICAP	**0.009**	**mg/l**	*J* **TC**	0.008	0.03	200.7	tm	11/6/2000	*995622*	
Copper- ICAP	**0.02**	**mg/l**	**TC**	0.006	0.02	200.7	tm	11/6/2000	*995622*	
Lead - ICAP	**<0.049**	**mg/l**	*J* **TC**	0.049	0.16	200.7	tm	11/6/2000	*995622*	
Nickel - ICAP	**0.357**	**mg/l**	**TC**	0.011	0.03	200.7	tm	11/6/2000	*995622*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **TC**	0.004	0.01	200.7	tm	11/6/2000	*995622*	
Cyanide, Reactive	**0.031**	**mg/kg**	*J*	0.031	0.10	335.2	dmd	11/13/2000	*995629*	
Free Liquids (paint filter test)	**Pass**		#			9095	dmd	10/31/2000	*995516*	
pH (Solids)	**10.23**	**s.u.**	#			9045	jz	11/1/2000	*995518*	
Specific Gravity	**1.18**	**s.u.**	#			SM 2710 F	tn	11/2/2000	*995588*	
TCLP extraction	**done**		#			1311	tn	11/2/2000	*995562*	

Approved By: _____ **Date:** 11/16/00
James Chang, Ph.D. , Lab Director

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

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
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.