March 15, 2001

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 February, 2001, for the above referenced project. Questions regarding these reports should be directed to James Chang of APL, Inc. at (414) 355-5800.

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

Sincerely,

Dean Groleau

Dean Groleau, Plant Superintendent
APL, Inc.

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

MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

U.S. ARMY CORPS OF ENGINEERS
ST. PAUL DISTRICT
WINONA, MINNESOTA
CONTRACT DACW37-01-C-0004

Prepared by:

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

March 15, 2001

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for February, 2001. 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.

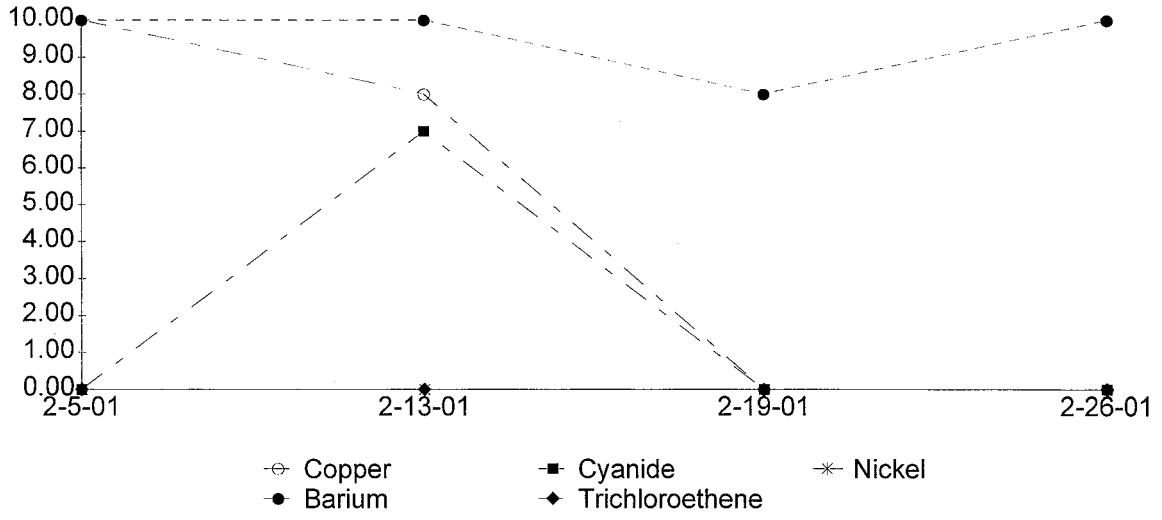
1.3 Effluent Monitoring

Weekly monitoring was conducted on February 5, 13, 19, and 26. The weekly samples for February were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in February 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 February, 2001, showed no exceedences of the WDNR effluent discharge permit.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down four times for a total of 34.42 hours in February, 2001. The shut downs were due to the Failure of the PLC, to clean RMT-301 and FT-311, and to Lower the pH's in GAC-650/651. Table 1 shows the summary of the plant down times for the month of February, 2001.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
2-1-01	2.5	Shut Down Due to PLC Failure
2-6-01	0.67	Shut Down to Clean RMT-301 & FT-311
2-21/23-01	16.5	Operated in a Closed Loop
2-28-3-1-01	14.75	Operated in a Closed Loop
TOTAL	**34.42**	

3.1 Shut Down Due to PLC Failure

On February 1, the treatment plant was discovered shut down upon the arrival of the operator. After inspecting the Process PC, it was discovered that many of the tanks appeared to be over-flowing. After inspecting each tank and verifying that the Process PC readings were inaccurate by about 20%, the Treatment Plant was restarted in the manual mode. The Treatment Plant could not be restarted in the automatic mode because the Process PC reading for the effluent pH was 10.4 but the true reading was 7.2. The effluent pH was tested with the portable pH probe before the Treatment Plant was restarted. A call was made to Pieper Electric to help trouble-shoot the problem. The Treatment Plant had been shut down at 2:30 A.M. and restarted at 5:00 A.M. Pieper Electric inspected the situation and determined that the Primary Logic Controller's (PLC) analog card had failed. A replacement analog card was ordered and the effluent pH lowered below 9 on it's own. The Treatment Plant was switched back into the automatic mode and allowed to run overnight. The replacement analog card arrived the next day

and Pieper Electric installed it. All flows, levels, and readings returned to normal operating parameters. Pieper Electric is pursuing having the old analog card re-built to be kept on the shelf as a spare. Total down time was 2.5 hours. APL Inc., WDNR, and USACE were notified.

3.2 Shut Down to Clean Out RMT-301 & FT-311

On February 6, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-120). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer were cleaned in RMT-301 and the walls, mixer, and floor 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. Total down time was 0.67 hours. APL Inc., WDNR, and USACE were notified.

3.3 Operated in a Closed Loop

On February 21, the treatment plant was operated in a closed loop situation to gradually reduce the pH of the Carbon in the Granulated Activated Carbon Filter (GAC-650). When new Carbon is added to the GAC's, the pH is elevated above the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* of 9.0. Either the treatment plant will need to be shut down for 3 operating days to lower the pH to <9.0 or operated in a closed loop overnight. The closed loop involves shutting down of the Extraction Well Pumps (EW-1/2/3/4/5) and opening the drain on the Effluent Holding Tank (EHT-700) to the floor trench sump. This allows the treatment plant to continue to operate but not discharge until the Effluent pH is <9.0. This operation has been conducted several times in the past. The of the Extraction Well Pumps and the EHT-700 drain was opened at 1400 hours. The pH was tested at 0630 hours on February 22 and it was 8.2. The EW's were restarted and the drain from EHT-700 was closed. The treatment plant was returned to normal operating parameters. Total down time was 16.5 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

3.4 Operated in a Closed Loop

On February 28, the treatment plant was operated in a closed loop situation to gradually reduce the pH of the Carbon in the Granulated Activated Carbon Filter (GAC-651). When new Carbon is added to the GAC's, the pH is elevated above the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* of 9.0. Either the treatment plant will need to be shut down for 3 operating days to lower the pH to <9.0 or operated in a closed loop overnight. The closed loop involves shutting down of the Extraction Well Pumps (EW-1/2/3/4/5) and opening the drain on the Effluent Holding Tank (EHT-700) to the floor trench sump. This allows the treatment plant to continue to operate but not discharge until the Effluent pH is <9.0. This operation has been conducted several times in the past. The of the Extraction Well Pumps and the EHT-700 drain was opened at 1415 hours. The pH was tested at 0500 hours on March 1 and it was 8.2. The EW's were restarted and the drain from EHT-700 was closed. The treatment plant was returned to normal operating parameters. Total down time was 14.75 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 5 times during the month of February, 2001. It was filled and emptied on February 1, 3, 20, 21, and 22. The dewatered sludge is sampled 1 time per year. 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 dewatered sludge hopper removal date is April 22. The initial opening of the press and dumping into and sampling of the new hopper occurred on January 22. There are 7 filter press loads of dewatered sludge in the new hopper at the end of February 2001.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on February 5, 13, 19, and 26 of 2001. 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)*. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of February, 2001, the plant was shut down four times for a total of 34.42 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 March 15, 2001.

The Filter Press was filled and emptied 5 times during the month of February, 2001. The hopper has 7 Filter Press fillings in it at the end of February, 2001.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	2-05-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.8	11.5	N/A	N/A	7.2	Monitor	
TSS	3	NT	NT	NT	1.5	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	140	NT	NT	NT	10	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	8	NT	NT	NT	10	Monitor	
Iron	1500	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	180	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	30	NT	NT	NT	30	Monitor	
Cyanide	6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	25	NT	<0.32/<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35/<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34/<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	40	NT	<0.27/<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25/<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25/<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3/<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31/<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29/<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	133	NT	<0.31/<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44/<0.44	<0.44	<0.44	0.5	
TCE	453	NT	1.8/1.1	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2/<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53/<0.53	<0.53	<0.53	124	
COD	13	NT	NT	NT	8.7	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	<1.25	Monitor	mg/l

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

After the Air Stripper sample was split-sampled.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	2-13-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.5	N/A	N/A	7.5	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	100	NT	NT	NT	10	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	8	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	NT	NT	NT	<11	20	
Selenium	17	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	<6	NT	NT	NT	7	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	18	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	33	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	124	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	500	NT	1.5	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	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:	2-19-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.5	N/A	N/A	7.4	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	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	10	NT	NT	NT	<8	10	
Copper	60	NT	NT	NT	<6	Monitor	
Iron	1300	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	170	NT	NT	NT	6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	<11	20	
Selenium	9	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	1.6	NT	NT	NT	<1.3	0.4	
Zinc	140	NT	NT	NT	80	Monitor	
Cyanide	20	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	21	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	33	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.3	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	117	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	458	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	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:	2-26-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.5	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	110	NT	NT	NT	10	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	1000	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	110	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	NT	NT	NT	<11	20	
Selenium	22	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	20	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	28	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	43	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	169	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	527	NT	1.1	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	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: 2001

MONTH: Feb. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	5,605,979.00	36,441.00	0.036	Shut Down
2	5,642,420.00	21,745.00	0.022	
3	5,664,165.00	39,727.00	0.040	
4	5,703,892.00	46,503.00	0.047	
5	5,750,395.00	34,611.00	0.035	
6	5,785,006.00	35,769.00	0.036	
7	5,820,775.00	35,359.00	0.035	
8	5,856,134.00	34,373.00	0.034	
9	5,890,507.00	25,170.00	0.025	
10	5,915,677.00	41,329.00	0.041	
11	5,957,006.00	42,224.00	0.042	
12	5,999,230.00	35,371.00	0.035	
13	6,034,601.00	36,261.00	0.036	
14	6,070,862.00	36,396.00	0.036	
15	6,107,258.00	35,760.00	0.036	
16	6,143,018.00	22,326.00	0.022	
17	6,165,344.00	40,176.00	0.040	
18	6,205,520.00	39,641.00	0.040	
19	6,245,161.00	35,915.00	0.036	
20	6,281,076.00	34,684.00	0.035	
21	6,315,760.00	11,766.00	0.012	Shut Down
22	6,327,526.00	32,940.00	0.033	Shut Down
23	6,360,466.00	20,714.00	0.021	Shut Down
24	6,381,180.00	40,499.00	0.040	
25	6,421,679.00	39,116.00	0.039	
26	6,460,795.00	33,270.00	0.033	
27	6,494,065.00	33,757.00	0.034	
28	6,527,822.00	8,358.00	0.008	Shut Down
March 01	6,536,180.00			Shut Down
		TOTAL	0.929	
		AVERAGE	0.033	

FLOW FROM EXTRACTION WELLS

YEAR: 2001

MONTH: Feb. DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	4,886.10	36,618.10	0.037	Shut Down
2	41,504.20	21,413.70	0.021	
3	62,917.90	40,159.00	0.040	
4	103,076.90	46,691.30	0.047	
5	149,768.20	34,705.20	0.035	
6	184,473.40	35,850.80	0.036	
7	220,324.20	35,445.70	0.035	
8	255,769.90	34,484.40	0.034	
9	290,254.30	23,989.40	0.024	
10	314,243.70	42,658.00	0.043	
11	356,901.70	42,384.40	0.042	
12	399,286.10	35,518.70	0.036	
13	434,804.80	36,305.10	0.036	
14	471,109.90	36,474.30	0.036	
15	507,584.20	35,877.70	0.036	
16	543,461.90	20,873.30	0.021	
17	564,335.20	41,912.30	0.042	
18	606,247.50	39,737.20	0.040	
19	645,984.70	36,003.00	0.036	
20	681,987.70	34,832.90	0.035	
21	716,820.60	11,820.30	0.012	Shut Down
22	728,640.90	33,024.00	0.033	Shut Down
23	761,664.90	20,460.70	0.020	Shut Down
24	782,125.60	40,895.60	0.041	
25	823,021.20	39,302.70	0.039	
26	862,323.90	33,970.80	0.034	
27	896,294.70	33,363.10	0.033	
28	929,657.80	8,324.20	0.008	Shut Down
March 01	937,982.00			Shut Down
		TOTAL	0.932	
		AVERAGE	0.033	

FLOW FROM EQT-100

YEAR: 2001

MONTH: Feb. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,277,436.00	48,408.00	0.048	SHUT DOWN
2	2,325,844.00	29,354.00	0.029	
3	2,355,198.00	49,040.00	0.049	
4	2,404,238.00	61,985.00	0.062	
5	2,466,223.00	41,804.00	0.042	
6	2,508,027.00	44,979.00	0.045	SHUT DOWN
7	2,553,006.00	44,707.00	0.045	
8	2,597,713.00	43,827.00	0.044	
9	2,641,540.00	32,742.00	0.033	
10	2,674,282.00	53,609.00	0.054	
11	2,727,891.00	55,162.00	0.055	
12	2,783,053.00	47,116.00	0.047	
13	2,830,169.00	47,929.00	0.048	
14	2,878,098.00	48,376.00	0.048	
15	2,926,474.00	45,489.00	0.045	
16	2,971,963.00	29,763.00	0.030	
17	3,001,726.00	52,878.00	0.053	
18	3,054,604.00	50,060.00	0.050	
19	3,104,664.00	47,266.00	0.047	
20	3,151,930.00	46,675.00	0.047	
21	3,198,605.00	47,328.00	0.047	
22	3,245,933.00	45,057.00	0.045	
23	3,290,990.00	26,454.00	0.026	
24	3,317,444.00	52,260.00	0.052	
25	3,369,704.00	50,502.00	0.051	
26	3,420,206.00	41,456.00	0.041	
27	3,461,662.00	41,816.00	0.042	
28	3,503,478.00	50,022.00	0.050	
March 01	3,553,500.00			
		TOTAL	1.275	
		AVERAGE	0.046	

FLOW FROM EQT-100

YEAR: 2001

MONTH: Feb. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,526,056.50	48,675.10	0.049	SHUT DOWN
2	2,574,731.60	28,767.30	0.029	
3	2,603,498.90	49,637.10	0.050	
4	2,653,136.00	62,078.30	0.062	
5	2,715,214.30	41,920.90	0.042	
6	2,757,135.20	45,097.40	0.045	SHUT DOWN
7	2,802,232.60	44,860.20	0.045	
8	2,847,092.80	43,928.30	0.044	
9	2,891,021.10	31,152.40	0.031	
10	2,922,173.50	55,362.00	0.055	
11	2,977,535.50	55,323.30	0.055	
12	3,032,858.80	47,297.80	0.047	
13	3,080,156.60	47,919.30	0.048	
14	3,128,075.90	48,511.40	0.049	
15	3,176,587.30	45,556.20	0.046	
16	3,222,143.50	27,741.40	0.028	
17	3,249,884.90	55,230.70	0.055	
18	3,305,115.60	50,125.60	0.050	
19	3,355,241.20	47,376.00	0.047	
20	3,402,617.20	46,821.20	0.047	
21	3,449,438.40	47,392.40	0.047	
22	3,496,830.80	45,195.70	0.045	
23	3,542,026.50	26,057.30	0.026	
24	3,568,083.80	52,831.10	0.053	
25	3,620,914.90	50,621.50	0.051	
26	3,671,536.40	41,676.70	0.042	
27	3,713,213.10	41,516.70	0.042	
28	3,754,729.80	50,401.40	0.050	
March 01	3,805,131.20			
		TOTAL	1.280	
		AVERAGE	0.046	

EFFLUENT FLOW FROM PLANT

YEAR: 2001

MONTH: Feb. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	8,082,030.00	26,514.00	0.027	Shut Down
2	8,108,544.00	14,191.00	0.014	
3	8,122,735.00	17,187.00	0.017	
4	8,139,922.00	36,138.00	0.036	
5	8,176,060.00	10,686.00	0.011	
6	8,186,746.00	14,708.00	0.015	Shut Down
7	8,201,454.00	33,169.00	0.033	
8	8,234,623.00	33,914.00	0.034	
9	8,268,537.00	28,366.00	0.028	
10	8,296,903.00	42,209.00	0.042	
11	8,339,112.00	40,658.00	0.041	
12	8,379,770.00	36,886.00	0.037	
13	8,416,656.00	36,531.00	0.037	
14	8,453,187.00	38,733.00	0.039	
15	8,491,920.00	34,782.00	0.035	
16	8,526,702.00	24,627.00	0.025	
17	8,551,329.00	43,987.00	0.044	
18	8,595,316.00	39,042.00	0.039	
19	8,634,358.00	38,664.00	0.039	
20	8,673,022.00	34,085.00	0.034	
21	8,707,107.00	9,023.00	0.009	Shut Down
22	8,716,130.00	36,761.00	0.037	Shut Down
23	8,752,891.00	22,108.00	0.022	
24	8,774,999.00	42,645.00	0.043	
25	8,817,644.00	37,869.00	0.038	
26	8,855,513.00	32,628.00	0.033	
27	8,888,141.00	28,199.00	0.028	
28	8,916,340.00	12,778.00	0.013	Shut Down
March 01	8,929,118.00			Shut Down
			0.850	
			0.030	

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
November 2, 2000	7.16	DRY	DRY	4.99	DRY	COVERED
December 4, 7, & 11, 2000	6.81	DRY	DRY	4.59	DRY	COVERED
January 5, 2001	6.74	5.85	4.52	4.41	DRY	COVERED
February 5, 2001	6.63	DRY	4.02	5.00	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
November 2, 2000	5.20	4.13	6.07	4.94	11.03	3.42
December 7 & 11, 2000	4.81	3.77	5.85	4.69	10.63	3.25
January 5, 2001	4.86	3.69	5.89	5.41	10.65	3.03
February 5, 2001	4.65	3.54	5.55	4.52	10.47	2.45

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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: 22899 QC Prep Batch Number: 996373 Collection: 2/5/2001 Time: 09:20
Client ID: 010205 WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	/ 1/8/2001
1,1,1-Trichloroethane	133	ug/l	1.6	4.9	5		8260	qh	/ 1/8/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 1/8/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 1/8/2001
1,1-Dichloroethane	25	ug/l	1.6	5.1	5		8260	qh	/ 1/8/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/8/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 1/8/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 1/8/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 1/8/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 1/8/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/8/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 1/8/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/8/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 1/8/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 1/8/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/8/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/8/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 1/8/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 1/8/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 1/8/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/8/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 1/8/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 1/8/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/8/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/8/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 1/8/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 1/8/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/8/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 1/8/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 1/8/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 1/8/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 1/8/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 1/8/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/8/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/8/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 1/8/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 1/8/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 1/8/2001
cis-1,2-Dichloroethene	40	ug/l	1.4	4.3	5		8260	qh	/ 1/8/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 1/8/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 1/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 1/8/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/8/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/8/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 1/8/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/8/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 1/8/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 1/8/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 1/8/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/8/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 1/8/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 1/8/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 1/8/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/8/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 1/8/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/8/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/8/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/8/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 1/8/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 1/8/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/8/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/8/2001
Trichloroethene	453	ug/l	1.7	5.4	5		8260	qh	/ 1/8/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 1/8/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	/ 1/8/2001

Sample Number: 22903 QC Prep Batch Number: 996373 Collection: 2/5/2001 Time: 09:26
Client ID: 010205WAO7P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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	/ 2/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/7/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/7/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/7/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/7/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/7/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/7/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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	/ 2/7/2001
Trichloroethene	1.8	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/7/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/7/2001

Sample Number: 22904 QC Prep Batch Number: 996373 Collection: 2/5/2001 Time: 09:28
Client ID: 010205 WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/7/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/7/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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	/ 2/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/7/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/7/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/7/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/7/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/7/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/7/2001

Sample Number: 22905 QC Prep Batch Number: 996373 Collection: 2/5/2001 Time:
Client ID: 010205 WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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	/ 2/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/7/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/7/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/7/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/7/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/7/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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	/ 2/7/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/7/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/7/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/7/2001

Sample Number: 22907 QC Prep Batch Number: 996373 Collection: 2/5/2001 Time: 09:26
Client ID: 010205 WAO7Q Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/7/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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	/ 2/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/7/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/7/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/7/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/7/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/7/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
Trichloroethene	1.1	ug/l	0.34	1.1	1	J	8260	qh	/ 2/7/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/7/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/7/2001

Sample Number: 22908 QC Prep Batch Number: 996373 Collection: 2/5/2001 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/7/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/7/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/7/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/7/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/7/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010068**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 05-Feb-01
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
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	qh	/ 2/7/2001
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	/ 2/7/2001
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 2/7/2001
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 2/7/2001
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2/7/2001
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 2/7/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 2/7/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 2/7/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	/ 2/7/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 2/7/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 2/7/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2/7/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 2/7/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	/ 2/7/2001

Approved By: _____ **Date:** 2/21/01

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.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010068**
DATE REPORTED: 02-Mar-01
DATE RECEIVED: 05-Feb-01
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
Sample Number: 22899 Matrix: GW								Collection: 2/5/2001		Time: 09:20
Client ID: **010205 WA01P**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**rj**	5.6	18	206.2	b	2/7/2001	*996312*	
Barium - ICAP	**0.14**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	2/7/2001	*996329*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	BB	2/7/2001	*996307*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	2/7/2001	*996329*	
Copper- ICAP	**0.008**	**mg/l**	***J* RJ**	0.006	0.02	200.7	tm	2/7/2001	*996329*	
Iron - ICAP	**1.5**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	2/7/2001	*996329*	
Lead - Furnace AA	**<1.5**	**ug/l**	**rj**	1.5	4.8	239.2	bb	2/6/2001	*996299*	
Manganese - ICAP	**0.18**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	2/7/2001	*996329*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	bb	2/8/2001	*996335*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	2/7/2001	*996329*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**rj**	4.8	15	270.2	bb	2/6/2001	*996296*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	2/7/2001	*996329*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**rj**	1.3	4.1	279.2	bb	2/6/2001	*996297*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	2/7/2001	*996329*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	2/7/2001	*996401*	
COD. Total	**13**	**mg/l**		3.4	11	410.4-CT	ta	2/7/2001	*996402*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/19/2001	*996429*	
Cyanide, Total	**0.006**	**mg/l**	***J***	0.006	0.02	335.2	tm	2/19/2001	*996428*	
pH (water)	**6.8**	**s.u.**	**#**			150.1	ogtp	2/5/2001	*996291*	
Solids, Total Suspended	**3**	**mg/l**	***J***	1	3.2	SM 2540D	jz	2/8/2001	*996328*	
Sample Number: 22900 Matrix: GW								Collection: 2/5/2001		Time: 09:38
Client ID: **010205 WAO2P**								Sample Description:		
pH (water)	**9.5**	**s.u.**	**#**			150.1	ogtp	2/5/2001	*996291*	
Sample Number: 22901 Matrix: GW								Collection: 2/5/2001		Time: 09:04
Client ID: **010205 WAO3P**								Sample Description:		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	2/5/2001	*996291*	
Sample Number: 22902 Matrix: GW								Collection: 2/5/2001		Time: 09:24
Client ID: **010205 WAO5P**								Sample Description:		

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010068**
DATE REPORTED: 02-Mar-01
DATE RECEIVED: 05-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 3
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	**7.2**	**s.u.**	#			150.1	ogtp	2/5/2001	*996291*	
Sample Number: 22905		Matrix: GW						Collection: 2/5/2001		Time:
Client ID: **010205 WA09P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	2/7/2001	*996401*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/19/2001	*996429*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/19/2001	*996428*	
pH (water)	**7.3**	**s.u.**	#			150.1	ogtp	2/5/2001	*996291*	
Sample Number: 22906		Matrix: GW						Collection: 2/5/2001		Time: 09:35
Client ID: **010205 WA09R**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**rj**	5.6	18	206.2	b	2/7/2001	*996312*	
Barium - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	tm	2/7/2001	*996329*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	BB	2/7/2001	*996307*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	2/7/2001	*996329*	
Copper- ICAP	**0.01**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	2/7/2001	*996329*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	2/7/2001	*996329*	
Lead - Furnace AA	**<1.5**	**ug/l**	**rj**	1.5	4.8	239.2	bb	2/6/2001	*996299*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	2/7/2001	*996329*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	bb	2/8/2001	*996335*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	2/7/2001	*996329*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**rj**	4.8	15	270.2	bb	2/6/2001	*996296*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	2/7/2001	*996329*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**rj**	1.3	4.1	279.2	bb	2/6/2001	*996297*	
Zinc - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	2/7/2001	*996329*	
COD. Total	**8.7**	**mg/l**	*J*	3.4	11	410.4-CT	ta	2/7/2001	*996402*	
Nitrate + Nitrite Nitrogen	**1.5**	**mg/l**	**rj**	0.03	0.10	353.3	tm	2/14/2001	*996374*	
Nitrogen, Ammonia	**<1.25**	**mg/l**		1.25	4.0	350.1	ta	2/16/2001	*996403*	
Phosphorus, Total	**<0.1**	**mg/l**		0.1	0.32	365.2	ta	2/15/2001	*996404*	
Solids, Total Suspended	**1.5**	**mg/l**	*J*	1	3.2	SM 2540D	jz	2/8/2001	*996328*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010068**
DATE REPORTED: 02-Mar-01
DATE RECEIVED: 05-Feb-01
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:** ____/____/____

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010083**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 13-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Sample Number: 22958 QC Prep Batch Number: 996437 Collection: 2/13/2001 Time: 09:50
Client ID: 0102 13 WAO1P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	/ 2/15/2001
1,1,1-Trichloroethane	124	ug/l	1.6	4.9	5		8260	qh	/ 2/15/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 2/15/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 2/15/2001
1,1-Dichloroethane	18	ug/l	1.6	5.1	5		8260	qh	/ 2/15/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 2/15/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 2/15/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 2/15/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 2/15/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 2/15/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 2/15/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 2/15/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 2/15/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 2/15/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 2/15/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 2/15/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2/15/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 2/15/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 2/15/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 2/15/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2/15/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 2/15/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 2/15/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 2/15/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2/15/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 2/15/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 2/15/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2/15/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 2/15/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 2/15/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 2/15/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 2/15/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 2/15/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2/15/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2/15/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 2/15/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 2/15/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 2/15/2001
cis-1,2-Dichloroethene	33	ug/l	1.4	4.3	5		8260	qh	/ 2/15/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 2/15/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 2/15/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010083**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 13-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 2/15/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2/15/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 2/15/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 2/15/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 2/15/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 2/15/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 2/15/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 2/15/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 2/15/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 2/15/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 2/15/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 2/15/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 2/15/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 2/15/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 2/15/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 2/15/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 2/15/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 2/15/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 2/15/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 2/15/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2/15/2001
Trichloroethene	500	ug/l	1.7	5.4	5		8260	qh	/ 2/15/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 2/15/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	/ 2/15/2001

Sample Number: 22962 QC Prep Batch Number: 996437 Collection: 2/13/2001 Time: 09:55
Client ID: 0102 13 WAO7P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1	8260	qh	/ 2/15/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1	8260	qh	/ 2/15/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh	/ 2/15/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh	/ 2/15/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1	8260	qh	/ 2/15/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh	/ 2/15/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	qh	/ 2/15/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	qh	/ 2/15/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	qh	/ 2/15/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	qh	/ 2/15/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh	/ 2/15/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1	8260	qh	/ 2/15/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh	/ 2/15/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	qh	/ 2/15/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	qh	/ 2/15/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh	/ 2/15/2001

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

WDNR# 241340550

BATCH NUMBER: **20010083**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 13-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/15/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/15/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/15/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/15/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/15/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/15/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/15/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/15/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/15/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/15/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/15/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/15/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/15/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/15/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/15/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/15/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/15/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/15/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/15/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/15/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/15/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/15/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010083**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 13-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
Trichloroethene	1.5	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/15/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/15/2001

Sample Number: 22963 QC Prep Batch Number: 996437 Collection: 2/13/2001 Time: 09:57
Client ID: 0102 13 WAO8P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/15/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/15/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/15/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/15/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/15/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/15/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/15/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/15/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/15/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/15/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/15/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/15/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/15/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/15/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/15/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/15/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/15/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/15/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/15/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/15/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/15/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010083**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 13-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/15/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/15/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/15/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/15/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/15/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/15/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/15/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/15/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/15/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/15/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/15/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/15/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/15/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/15/2001

Sample Number: 22964 QC Prep Batch Number: 996437 Collection: 2/13/2001 Time: 09:45
Client ID: 0102 13 WAO9P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/15/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/15/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/15/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/15/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/15/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/15/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/15/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/15/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010083**
DATE REPORTED:	21-Feb-01
DATE RECEIVED:	13-Feb-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/15/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/15/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/15/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/15/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/15/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/15/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/15/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/15/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/15/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/15/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/15/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/15/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/15/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/15/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/15/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/15/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/15/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/15/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/15/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/15/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/15/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/15/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/15/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/15/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010083**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 13-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/15/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/15/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/15/2001

Sample Number: 22966 QC Prep Batch Number: 996437 Collection: 2/13/2001 Time:
Client ID: trip blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/15/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/15/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/15/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/15/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/15/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/15/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/15/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/15/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/15/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/15/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/15/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/15/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/15/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/15/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/15/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/15/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/15/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/15/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/15/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010083**
DATE REPORTED: 21-Feb-01
DATE RECEIVED: 13-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/15/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/15/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/15/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/15/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/15/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/15/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/15/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/15/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/15/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/15/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/15/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/15/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/15/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/15/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/15/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/15/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/15/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/15/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/15/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/15/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/15/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/15/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/15/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010083**
DATE REPORTED:	21-Feb-01
DATE RECEIVED:	13-Feb-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: _____ **Date:** 2/13/01

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.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010083**
DATE REPORTED: 01-Mar-01
DATE RECEIVED: 13-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 22958	Matrix: GW							Collection: 2/13/2001	Time: 09:50	
Client ID: **0102 13 WAO1P**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**		5.6	18	206.2	jz	2/14/2001	*996375*	
Barium - ICAP	**0.1**	**mg/l**	**rj**	0.007	0.02	200.7	bb	2/19/01	*996409*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	2/14/2001	*996370*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**rj**	0.008	0.03	200.7	bb	2/19/01	*996409*	
Copper- ICAP	**<0.006**	**mg/l**	**rj**	0.006	0.02	200.7	bb	2/19/01	*996409*	
Iron - ICAP	**1.1**	**mg/l**	**rj**	0.081	0.26	200.7	bb	2/19/01	*996409*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jz	2/14/2001	*996372*	
Manganese - ICAP	**0.15**	**mg/l**	**rj**	0.006	0.02	200.7	bb	2/19/01	*996409*	
Mercury CV	**<0.0002**	**mg/l**	**rj**	0.0002	0.0006	245.1	mw	2/19/2001	*996391*	
Nickel - ICAP	**<0.011**	**mg/l**	**rj**	0.011	0.03	200.7	bb	2/19/01	*996409*	
Selenium - Furnace AA	**17**	**ug/l**	**RJ**	4.8	15	270.2	jz	2/15/2001	*996381*	
Silver - ICAP	**<0.004**	**mg/l**	**rj**	0.004	0.01	200.7	bb	2/19/01	*996409*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	2/19/2001	*996406*	
Zinc - ICAP	**<0.014**	**mg/l**	**rj**	0.014	0.04	200.7	bb	2/19/01	*996409*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	2/13/2001	*996401*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/19/2001	*996429*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/19/2001	*996428*	
pH (water)	**6.9**	**s.u.**	**#**			150.1	ogtp	2/13/2001	*996356*	
Sample Number: 22959	Matrix: GW							Collection: 2/13/2001	Time: 10:03	
Client ID: **0102 13 WAO2P**								Sample Description:		
pH (water)	**9.4**	**s.u.**	**#**			150.1	ogtp	2/13/2001	*996356*	
Sample Number: 22960	Matrix: GW							Collection: 2/13/2001	Time: 10:05	
Client ID: **0102 13 WAO3P**								Sample Description:		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	2/13/2001	*996356*	
Sample Number: 22961	Matrix: GW							Collection: 2/13/2001	Time: 09:53	
Client ID: **0102 13 WAO5P**								Sample Description:		
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	2/13/2001	*996356*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010083**
DATE REPORTED: 01-Mar-01
DATE RECEIVED: 13-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 22964	Matrix: GW						Collection: 2/13/2001		Time: 09:45	
Client ID: **0102 13 WAO9P**							Sample Description:			
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	2/13/2001	*996401*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/19/2001	*996429*	
Cyanide, Total	**0.007**	**mg/l**	*J*	0.006	0.02	335.2	tm	2/19/2001	*996428*	
pH (water)	**7.5**	**s.u.**	#			150.1	ogtp	2/13/2001	*996356*	
Sample Number: 22965	Matrix: GW						Collection: 2/13/2001		Time: 10:00	
Client ID: **0102 13 WAO9R**							Sample Description:			
Arsenic - Furnace AA	**<5.6**	**ug/l**		5.6	18	206.2	jz	2/14/2001	*996375*	
Barium - ICAP	**0.01**	**mg/l**	*J* **rj**	0.007	0.02	200.7	bb	2/19/01	*996409*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	2/14/2001	*996370*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**rj**	0.008	0.03	200.7	bb	2/19/01	*996409*	
Copper- ICAP	**0.008**	**mg/l**	*J* **rj**	0.006	0.02	200.7	bb	2/19/01	*996409*	
Iron - ICAP	**<0.081**	**mg/l**	**rj**	0.081	0.26	200.7	bb	2/19/01	*996409*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jz	2/14/2001	*996372*	
Manganese - ICAP	**<0.006**	**mg/l**	**rj**	0.006	0.02	200.7	bb	2/19/01	*996409*	
Mercury CV	**<0.0002**	**mg/l**	**rj**	0.0002	0.0006	245.1	mw	2/19/2001	*996391*	
Nickel - ICAP	**<0.011**	**mg/l**	**rj**	0.011	0.03	200.7	bb	2/19/01	*996409*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	2/15/2001	*996381*	
Silver - ICAP	**<0.004**	**mg/l**	**rj**	0.004	0.01	200.7	bb	2/19/01	*996409*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	2/19/2001	*996406*	
Zinc - ICAP	**<0.014**	**mg/l**	**rj**	0.014	0.04	200.7	bb	2/19/01	*996409*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010083**
DATE REPORTED:	01-Mar-01
DATE RECEIVED:	13-Feb-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	

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

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

Approved By: _____ **Date:** 2/13/01

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 **20010102**
DATE REPORTED: 13-Mar-01
DATE RECEIVED: 20-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 23056 Matrix: GW
Client ID: **010219WA01P**
Collection: 2/19/2001 Time: 09:22
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	jz	2/22/2001	996470	
Barium - ICAP	0.12	mg/l		rj	0.007	0.02	200.7	bb	2/27/2001	996491	
Cadmium - Furnace AA	<0.4	ug/l		TTR	0.4	1.3	213.2	jz	2/21/2001	996462	
Chromium, Total - ICAP	0.01	mg/l	J	rj	0.008	0.03	200.7	bb	2/27/2001	996491	
Copper- ICAP	0.06	mg/l		rj	0.006	0.02	200.7	bb	2/27/2001	996491	
Iron - ICAP	1.3	mg/l		rj	0.081	0.26	200.7	bb	2/27/2001	996491	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	jz	2/20/2001	996438	
Manganese - ICAP	0.17	mg/l		rj	0.006	0.02	200.7	bb	2/27/2001	996491	
Mercury CV	<0.0002	mg/l		rj	0.0002	0.0006	245.1	bb	2/21/2001	996459	
Nickel - ICAP	0.02	mg/l	J	rj	0.011	0.03	200.7	bb	2/27/2001	996491	
Selenium - Furnace AA	9	ug/l	J	RJ	4.8	15	270.2	jz	2/21/2001	996454	
Silver - ICAP	<0.004	mg/l		rj	0.004	0.01	200.7	bb	2/27/2001	996491	
Thallium - Furnace AA	1.6	ug/l	J		1.3	4.1	279.2	jz	2/20/2001	996423	
Zinc - ICAP	0.06	mg/l		rj	0.014	0.04	200.7	bb	2/27/2001	996491	
Chromium, Hexavalent	<0.0042	mg/l		RJ	0.004	0.01	SM 3500D	ta	2/20/2001	996506	
Cyanide, Amenable	<0.006	mg/l		rj	0.006	0.02	335.2	bb	3/6/2001	996563	
Cyanide, Total	0.02	mg/l		rj	0.006	0.02	335.2		3/5/2001		
pH (water)	6.9	s.u.	#				150.1	ogtp	2/19/2001	996412	

Sample Number: 23057 Matrix: GW
Client ID: **010219WA09R**
Collection: 2/19/2001 Time: 09:27
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	jz	2/22/2001	996470	
Barium - ICAP	0.008	mg/l	J	rj	0.007	0.02	200.7	bb	2/27/2001	996491	
Cadmium - Furnace AA	<0.4	ug/l		TTR	0.4	1.3	213.2	jz	2/21/2001	996462	
Chromium, Total - ICAP	<0.008	mg/l		rj	0.008	0.03	200.7	bb	2/27/2001	996491	
Copper- ICAP	<0.006	mg/l		rj	0.006	0.02	200.7	bb	2/27/2001	996491	
Iron - ICAP	<0.081	mg/l		rj	0.081	0.26	200.7	bb	2/27/2001	996491	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	jz	2/20/2001	996438	
Manganese - ICAP	0.006	mg/l	J	rj	0.006	0.02	200.7	bb	2/27/2001	996491	
Mercury CV	<0.0002	mg/l		rj	0.0002	0.0006	245.1	bb	2/21/2001	996459	
Nickel - ICAP	<0.011	mg/l		rj	0.011	0.03	200.7	bb	2/27/2001	996491	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010102**
DATE REPORTED: 13-Mar-01
DATE RECEIVED: 20-Feb-01
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	jz	2/21/2001	*996454*	
Silver - ICAP	**<0.004**	**mg/l**	**rj**	0.004	0.01	200.7	bb	2/27/2001	*996491*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	jz	2/20/2001	*996423*	
Zinc - ICAP	**0.08**	**mg/l**	**rj**	0.014	0.04	200.7	bb	2/27/2001	*996491*	
Sample Number: 23058		Matrix: GW						Collection: 2/19/2001		Time: 09:38
Client ID: **010219WA02P**								Sample Description:		
pH (water)	**9.6**	**s.u.**	**#**			150.1	ogtp	2/19/2001	*996412*	
Sample Number: 23059		Matrix: GW						Collection: 2/19/2001		Time: 09:40
Client ID: **010219WA03P**								Sample Description:		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	2/19/2001	*996412*	
Sample Number: 23060		Matrix: GW						Collection: 2/19/2001		Time: 09:25
Client ID: **010219WA05P**								Sample Description:		
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	2/19/2001	*996412*	
Sample Number: 23064		Matrix: GW						Collection: 2/19/2001		Time: 09:35
Client ID: **010219WA09P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	2/20/2001	*996506*	
Cyanide, Amenable	**<0.006**	**mg/l**	**rj**	0.006	0.02	335.2	bb	3/6/2001	*996563*	
Cyanide, Total	**<0.006**	**mg/l**	**rj**	0.006	0.02	335.2		3/5/2001		
pH (water)	**7.4**	**s.u.**	**#**			150.1	ogtp	2/19/2001	*996412*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010102**
DATE REPORTED:	13-Mar-01
DATE RECEIVED:	20-Feb-01
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:** 3/13/01

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010102**
DATE REPORTED: 22-Feb-01
DATE RECEIVED: 20-Feb-01
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: 23056 QC Prep Batch Number: 996465 Collection: 2/19/2001 Time: 09:22
Client ID: 010219WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	/ 2/20/2001
1,1,1-Trichloroethane	117	ug/l	1.6	4.9	5		8260	qh	/ 2/20/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 2/20/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 2/20/2001
1,1-Dichloroethane	21	ug/l	1.6	5.1	5		8260	qh	/ 2/20/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 2/20/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 2/20/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 2/20/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 2/20/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 2/20/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 2/20/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 2/20/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 2/20/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 2/20/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 2/20/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 2/20/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2/20/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 2/20/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 2/20/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 2/20/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2/20/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 2/20/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 2/20/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 2/20/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2/20/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 2/20/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 2/20/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2/20/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 2/20/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 2/20/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 2/20/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 2/20/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 2/20/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2/20/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2/20/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 2/20/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 2/20/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 2/20/2001
cis-1,2-Dichloroethene	33	ug/l	1.4	4.3	5		8260	qh	/ 2/20/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 2/20/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 2/20/2001

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

WDNR# 241340550

BATCH NUMBER: **20010102**
DATE REPORTED: 22-Feb-01
DATE RECEIVED: 20-Feb-01
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	< 2.3	**ug/l**	2.3	7.3	5		8260	qh	/ 2/20/2001
Dichlorodifluoromethane	< 1.4	**ug/l**	1.4	4.3	5		8260	qh	/ 2/20/2001
Ethylbenzene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	/ 2/20/2001
Hexachlorobutadiene	< 2.1	**ug/l**	2.1	6.7	5		8260	qh	/ 2/20/2001
Isopropyl Ether	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	/ 2/20/2001
Isopropylbenzene	< 1.7	**ug/l**	1.7	5.2	5		8260	qh	/ 2/20/2001
m&p-xylene	< 2.7	**ug/l**	2.7	8.4	5		8260	qh	/ 2/20/2001
Methyl-t-butyl ether	< 2.0	**ug/l**	2.0	6.2	5		8260	qh	/ 2/20/2001
Methylene chloride	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	/ 2/20/2001
n-Butylbenzene	< 1.8	**ug/l**	1.8	5.7	5		8260	qh	/ 2/20/2001
n-Propylbenzene	< 1.4	**ug/l**	1.4	4.5	5		8260	qh	/ 2/20/2001
Naphthalene	< 3.8	**ug/l**	3.8	12	5		8260	qh	/ 2/20/2001
o-xylene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	/ 2/20/2001
p-Isopropyltoluene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	/ 2/20/2001
sec-Butylbenzene	< 1.7	**ug/l**	1.7	5.4	5		8260	qh	/ 2/20/2001
Styrene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	/ 2/20/2001
tert-Butylbenzene	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	/ 2/20/2001
Tetrachloroethene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	/ 2/20/2001
Toluene	< 1.5	**ug/l**	1.5	4.6	5		8260	qh	/ 2/20/2001
trans-1,2-Dichloroethene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	/ 2/20/2001
trans-1,3-Dichloropropene	< 1.3	**ug/l**	1.3	4.1	5		8260	qh	/ 2/20/2001
Trichloroethene	458	**ug/l**	1.7	5.4	5		8260	qh	/ 2/20/2001
Trichlorofluoromethane	< 1.2	**ug/l**	1.2	3.8	5		8260	qh	/ 2/20/2001
Vinyl chloride	< 1.0	**ug/l**	1.0	3.2	5		8260	qh	/ 2/20/2001

Sample Number: 23061 QC Prep Batch Number: 996465 Collection: 2/19/2001 Time: 09:30
Client ID: 010219WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	/ 2/20/2001
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 2/20/2001
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	/ 2/20/2001
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	/ 2/20/2001
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	/ 2/20/2001
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2/20/2001
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	/ 2/20/2001
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	/ 2/20/2001
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	/ 2/20/2001
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	/ 2/20/2001
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 2/20/2001
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	/ 2/20/2001
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2/20/2001
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	/ 2/20/2001
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	/ 2/20/2001
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010102**
DATE REPORTED: 22-Feb-01
DATE RECEIVED: 20-Feb-01
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	/ 2/20/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/20/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/20/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/20/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/20/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/20/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/20/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/20/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/20/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/20/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/20/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/20/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/20/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/20/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/20/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/20/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/20/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/20/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/20/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/20/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/20/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/20/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/20/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010102**
DATE REPORTED: 22-Feb-01
DATE RECEIVED: 20-Feb-01
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	/ 2/20/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/20/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/20/2001

Sample Number: 23062 QC Prep Batch Number: 996465 Collection: 2/19/2001 Time: 09:32
Client ID: 010219WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/20/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/20/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/20/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/20/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/20/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/20/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/20/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/20/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/20/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/20/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/20/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/20/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/20/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/20/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/20/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/20/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/20/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/20/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/20/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/20/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010102**
DATE REPORTED: 22-Feb-01
DATE RECEIVED: 20-Feb-01
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	/ 2/20/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/20/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/20/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/20/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/20/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/20/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/20/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/20/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/20/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/20/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/20/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/20/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/20/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/20/2001

Sample Number: 23063 QC Prep Batch Number: 996465 Collection: 2/19/2001 Time:
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/20/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/20/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/20/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/20/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/20/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/20/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/20/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/20/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010102**
DATE REPORTED: 22-Feb-01
DATE RECEIVED: 20-Feb-01
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	/ 2/20/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/20/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/20/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/20/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/20/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/20/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/20/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/20/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/20/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/20/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/20/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/20/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/20/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/20/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/20/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/20/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/20/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/20/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/20/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/20/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/20/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/20/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/20/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/20/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010102**
DATE REPORTED: 22-Feb-01
DATE RECEIVED: 20-Feb-01
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	/ 2/20/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/20/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/20/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/20/2001

Sample Number: 23064 QC Prep Batch Number: 996465 Collection: 2/19/2001 Time: 09:35
Client ID: 010219WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/20/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/20/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/20/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/20/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/20/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/20/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/20/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/20/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/20/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/20/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/20/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/20/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/20/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/20/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/20/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/20/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/20/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/20/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010102**
DATE REPORTED: 22-Feb-01
DATE RECEIVED: 20-Feb-01
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	/ 2/20/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/20/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/20/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/20/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/20/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/20/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/20/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/20/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/20/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/20/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/20/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/20/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/20/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/20/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/20/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/20/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/20/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/20/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/20/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/20/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/20/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/20/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/20/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010102**
DATE REPORTED:	22-Feb-01
DATE RECEIVED:	20-Feb-01
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:** 2/22/01
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.

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010114**
DATE REPORTED: 27-Feb-01
DATE RECEIVED: 26-Feb-01
SAMPLE TEMP (C):
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 23102
Client ID: 010226WAO1P

QC Prep Batch Number: 996501

Collection: 2/26/2001 Time: 09:50
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	2/26/2001 / 2/26/2001
1,1,1-Trichloroethane	169	ug/l	1.6	4.9	5		8260	qh	2/26/2001 / 2/26/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/26/2001 / 2/26/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/26/2001 / 2/26/2001
1,1-Dichloroethane	28	ug/l	1.6	5.1	5		8260	qh	2/26/2001 / 2/26/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/26/2001 / 2/26/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	2/26/2001 / 2/26/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	2/26/2001 / 2/26/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	2/26/2001 / 2/26/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	2/26/2001 / 2/26/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/26/2001 / 2/26/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	2/26/2001 / 2/26/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/26/2001 / 2/26/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	2/26/2001 / 2/26/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	2/26/2001 / 2/26/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/26/2001 / 2/26/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/26/2001 / 2/26/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/26/2001 / 2/26/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2/26/2001 / 2/26/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	2/26/2001 / 2/26/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/26/2001 / 2/26/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	2/26/2001 / 2/26/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	2/26/2001 / 2/26/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/26/2001 / 2/26/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/26/2001 / 2/26/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	2/26/2001 / 2/26/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	2/26/2001 / 2/26/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/26/2001 / 2/26/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/26/2001 / 2/26/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/26/2001 / 2/26/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	2/26/2001 / 2/26/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/26/2001 / 2/26/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	2/26/2001 / 2/26/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/26/2001 / 2/26/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/26/2001 / 2/26/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	2/26/2001 / 2/26/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	2/26/2001 / 2/26/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	2/26/2001 / 2/26/2001
cis-1,2-Dichloroethene	43	ug/l	1.4	4.3	5		8260	qh	2/26/2001 / 2/26/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/26/2001 / 2/26/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	2/26/2001 / 2/26/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010114**
DATE REPORTED: 27-Feb-01
DATE RECEIVED: 26-Feb-01
SAMPLE TEMP (C):
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	< 2.3	ug/l	2.3	7.3	5		8260	qh	2/26/2001 / 2/26/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/26/2001 / 2/26/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/26/2001 / 2/26/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	2/26/2001 / 2/26/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/26/2001 / 2/26/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	2/26/2001 / 2/26/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	2/26/2001 / 2/26/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/26/2001 / 2/26/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/26/2001 / 2/26/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2/26/2001 / 2/26/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	2/26/2001 / 2/26/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	2/26/2001 / 2/26/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/26/2001 / 2/26/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/26/2001 / 2/26/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/26/2001 / 2/26/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/26/2001 / 2/26/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/26/2001 / 2/26/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/26/2001 / 2/26/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	2/26/2001 / 2/26/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/26/2001 / 2/26/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/26/2001 / 2/26/2001
Trichloroethene	527	ug/l	1.7	5.4	5		8260	qh	2/26/2001 / 2/26/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	2/26/2001 / 2/26/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	2/26/2001 / 2/26/2001

Sample Number: 23104 QC Prep Batch Number: 996501 Collection: 2/26/2001 Time: 10:00
Client ID: 010226WAO9P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/26/2001 / 2/22/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/26/2001 / 2/22/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/26/2001 / 2/22/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/26/2001 / 2/22/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/26/2001 / 2/22/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010114**
DATE REPORTED: 27-Feb-01
DATE RECEIVED: 26-Feb-01
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	2/26/2001 / 2/22/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/26/2001 / 2/22/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/26/2001 / 2/22/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/26/2001 / 2/22/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/26/2001 / 2/22/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/26/2001 / 2/22/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/26/2001 / 2/22/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/26/2001 / 2/22/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/26/2001 / 2/22/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/26/2001 / 2/22/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/26/2001 / 2/22/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/26/2001 / 2/22/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/26/2001 / 2/22/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/26/2001 / 2/22/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/26/2001 / 2/22/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/26/2001 / 2/22/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/26/2001 / 2/22/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/26/2001 / 2/22/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/26/2001 / 2/22/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/26/2001 / 2/22/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010114**
DATE REPORTED: 27-Feb-01
DATE RECEIVED: 26-Feb-01
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	2/26/2001 / 2/22/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/26/2001 / 2/22/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/26/2001 / 2/22/2001

Sample Number: 23107 QC Prep Batch Number: 996501 Collection: 2/26/2001 Time: 09:53
Client ID: 010226WAO7P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/26/2001 / 2/22/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/26/2001 / 2/22/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/26/2001 / 2/22/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/26/2001 / 2/22/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/26/2001 / 2/22/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/26/2001 / 2/22/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/26/2001 / 2/22/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/26/2001 / 2/22/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/26/2001 / 2/22/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/26/2001 / 2/22/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/26/2001 / 2/22/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/26/2001 / 2/22/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/26/2001 / 2/22/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010114**
DATE REPORTED: 27-Feb-01
DATE RECEIVED: 26-Feb-01
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	2/26/2001 / 2/22/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/26/2001 / 2/22/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/26/2001 / 2/22/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/26/2001 / 2/22/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/26/2001 / 2/22/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/26/2001 / 2/22/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/26/2001 / 2/22/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/26/2001 / 2/22/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/26/2001 / 2/22/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/26/2001 / 2/22/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/26/2001 / 2/22/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
Trichloroethene	1.1	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/26/2001 / 2/22/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/26/2001 / 2/22/2001

Sample Number: 23109 QC Prep Batch Number: 996501 Collection: 2/26/2001 Time: 09:55
Client ID: 010226WAO8P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/26/2001 / 2/22/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/26/2001 / 2/22/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/26/2001 / 2/22/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/26/2001 / 2/22/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010114**
DATE REPORTED: 27-Feb-01
DATE RECEIVED: 26-Feb-01
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	2/26/2001 / 2/22/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/26/2001 / 2/22/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/26/2001 / 2/22/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/26/2001 / 2/22/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/26/2001 / 2/22/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/26/2001 / 2/22/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/26/2001 / 2/22/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/26/2001 / 2/22/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/26/2001 / 2/22/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/26/2001 / 2/22/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/26/2001 / 2/22/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/26/2001 / 2/22/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/26/2001 / 2/22/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/26/2001 / 2/22/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/26/2001 / 2/22/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/26/2001 / 2/22/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/26/2001 / 2/22/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/26/2001 / 2/22/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/26/2001 / 2/22/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/26/2001 / 2/22/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010114**
DATE REPORTED: 27-Feb-01
DATE RECEIVED: 26-Feb-01
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	2/26/2001 / 2/22/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/26/2001 / 2/22/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/26/2001 / 2/22/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/26/2001 / 2/22/2001

Sample Number: 23110 QC Prep Batch Number: 996501 Collection: 2/26/2001 Time:
Client ID: trip blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/26/2001 / 2/22/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/26/2001 / 2/22/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/26/2001 / 2/22/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/26/2001 / 2/22/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/26/2001 / 2/22/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/26/2001 / 2/22/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/26/2001 / 2/22/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/26/2001 / 2/22/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/26/2001 / 2/22/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/26/2001 / 2/22/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/26/2001 / 2/22/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/26/2001 / 2/22/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/26/2001 / 2/22/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010114**
DATE REPORTED: 27-Feb-01
DATE RECEIVED: 26-Feb-01
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	2/26/2001 / 2/22/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/26/2001 / 2/22/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/26/2001 / 2/22/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/26/2001 / 2/22/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/26/2001 / 2/22/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/26/2001 / 2/22/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/26/2001 / 2/22/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/26/2001 / 2/22/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/26/2001 / 2/22/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/26/2001 / 2/22/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/26/2001 / 2/22/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/26/2001 / 2/22/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/26/2001 / 2/22/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/26/2001 / 2/22/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/26/2001 / 2/22/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/26/2001 / 2/22/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/26/2001 / 2/22/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/26/2001 / 2/22/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/26/2001 / 2/22/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/26/2001 / 2/22/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/26/2001 / 2/22/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/26/2001 / 2/22/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/26/2001 / 2/22/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010114**
DATE REPORTED:	27-Feb-01
DATE RECEIVED:	26-Feb-01
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:** 2/27/01

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.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010114**
DATE REPORTED: 13-Mar-01
DATE RECEIVED: 26-Feb-01
SAMPLE TEMP (C):
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
Sample Number: 23102 Matrix: GW								Collection: 2/26/2001		Time: 09:50
Client ID: **010226WAO1P**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	mw	2/27/2001	*996494*	
Barium - ICAP	**0.11**	**mg/l**	**rj**	0.007	0.02	200.7	bb	3/1/2001	*996543*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**rj**	0.4	1.3	213.2	mw	2/27/2001	*996497*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**rj**	0.008	0.03	200.7	bb	3/1/2001	*996543*	
Copper- ICAP	**0.006**	**mg/l**	***J*** **rj**	0.006	0.02	200.7	bb	3/1/2001	*996543*	
Iron - ICAP	**1**	**mg/l**	**rj**	0.081	0.26	200.7	bb	3/1/2001	*996543*	
Lead - Furnace AA	**<1.5**	**ug/l**	**rj**	1.5	4.8	239.2	jz	3/1/2001	*996529*	
Manganese - ICAP	**0.11**	**mg/l**	**rj**	0.006	0.02	200.7	bb	3/1/2001	*996543*	
Mercury CV	**<0.0002**	**mg/l**	**rj**	0.0002	0.0006	245.1	bb	3/1/2001	*996550*	
Nickel - ICAP	**<0.011**	**mg/l**	**rj**	0.011	0.03	200.7	bb	3/1/2001	*996543*	
Selenium - Furnace AA	**22**	**ug/l**	**RJ**	4.8	15	270.2	jz	3/2/2001	*996553*	
Silver - ICAP	**<0.004**	**mg/l**	**rj**	0.004	0.01	200.7	bb	3/1/2001	*996543*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RQ**	1.3	4.1	279.2	jz	3/1/2001	*996539*	
Zinc - ICAP	**<0.014**	**mg/l**	**rj**	0.014	0.04	200.7	bb	3/1/2001	*996543*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**rj**	0.004	0.01	SM 3500D	ta	2/27/2001	*996559*	
Cyanide, Amenable	**<0.006**	**mg/l**	**rj**	0.006	0.02	335.2	bb	3/6/2001	*996563*	
Cyanide, Total	**0.02**	**mg/l**	**rj**	0.006	0.02	335.2		3/6/2001		
pH (water)	**6.9**	**s.u.**	**#**			150.1	ogtp	2/26/2001	*996487*	
Sample Number: 23103 Matrix: GW								Collection: 2/26/2001		Time: 09:42
Client ID: **010226WAO2P**								Sample Description:		
pH (water)	**9.5**	**s.u.**	**#**			150.1	ogtp	2/26/2001	*996487*	
Sample Number: 23104 Matrix: GW								Collection: 2/26/2001		Time: 10:00
Client ID: **010226WAO9P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**rj**	0.004	0.01	SM 3500D	ta	2/27/2001	*996559*	
Cyanide, Amenable	**<0.006**	**mg/l**	**rj**	0.006	0.02	335.2	bb	3/6/2001	*996563*	
Cyanide, Total	**<0.006**	**mg/l**	**rj**	0.006	0.02	335.2		3/6/2001		
pH (water)	**7.6**	**s.u.**	**#**			150.1	ogtp	2/26/2001	*996487*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010114**
DATE REPORTED: 13-Mar-01
DATE RECEIVED: 26-Feb-01
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
Sample Number: 23105 Matrix: GW										
Client ID: **010226WAO3P**								Collection: 2/26/2001	Time: 09:40	
								Sample Description:		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	2/26/2001	*996487*	
Sample Number: 23106 Matrix: GW										
Client ID: **010226WAO5P**								Collection: 2/26/2001	Time: 09:46	
								Sample Description:		
pH (water)	**7.1**	**s.u.**	**#**			150.1	ogtp	2/26/2001	*996487*	
Sample Number: 23108 Matrix: GW										
Client ID: **010226WAO9R**								Collection: 2/26/2001	Time: 09:40	
								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	mw	2/27/2001	*996494*	
Barium - ICAP	**0.01**	**mg/l**	***J*** **rj**	0.007	0.02	200.7	bb	3/1/2001	*996543*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**rj**	0.4	1.3	213.2	mw	2/27/2001	*996497*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**rj**	0.008	0.03	200.7	bb	3/1/2001	*996543*	
Copper- ICAP	**<0.006**	**mg/l**	**rj**	0.006	0.02	200.7	bb	3/1/2001	*996543*	
Iron - ICAP	**<0.081**	**mg/l**	**rj**	0.081	0.26	200.7	bb	3/1/2001	*996543*	
Lead - Furnace AA	**<1.5**	**ug/l**	**rj**	1.5	4.8	239.2	jz	3/1/2001	*996529*	
Manganese - ICAP	**<0.006**	**mg/l**	**rj**	0.006	0.02	200.7	bb	3/1/2001	*996543*	
Mercury CV	**<0.0002**	**mg/l**	**rj**	0.0002	0.0006	245.1	bb	3/1/2001	*996550*	
Nickel - ICAP	**<0.011**	**mg/l**	**rj**	0.011	0.03	200.7	bb	3/1/2001	*996543*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	3/2/2001	*996553*	
Silver - ICAP	**<0.004**	**mg/l**	**rj**	0.004	0.01	200.7	bb	3/1/2001	*996543*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RQ**	1.3	4.1	279.2	jz	3/1/2001	*996539*	
Zinc - ICAP	**<0.014**	**mg/l**	**rj**	0.014	0.04	200.7		3/1/2001	*996543*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010114**
DATE REPORTED:	13-Mar-01
DATE RECEIVED:	26-Feb-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

Dr. James Chang
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Milwaukee , WI 53223

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

Approved By: _____ **Date:** 3/13/01

James Chang, Ph.D. , Lab Director

RJ ***Result expressed as Total.***

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.