February 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 January, 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 DACW37-98-C-0009

Prepared by:

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

February 15, 2001

1.0 Introduction

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

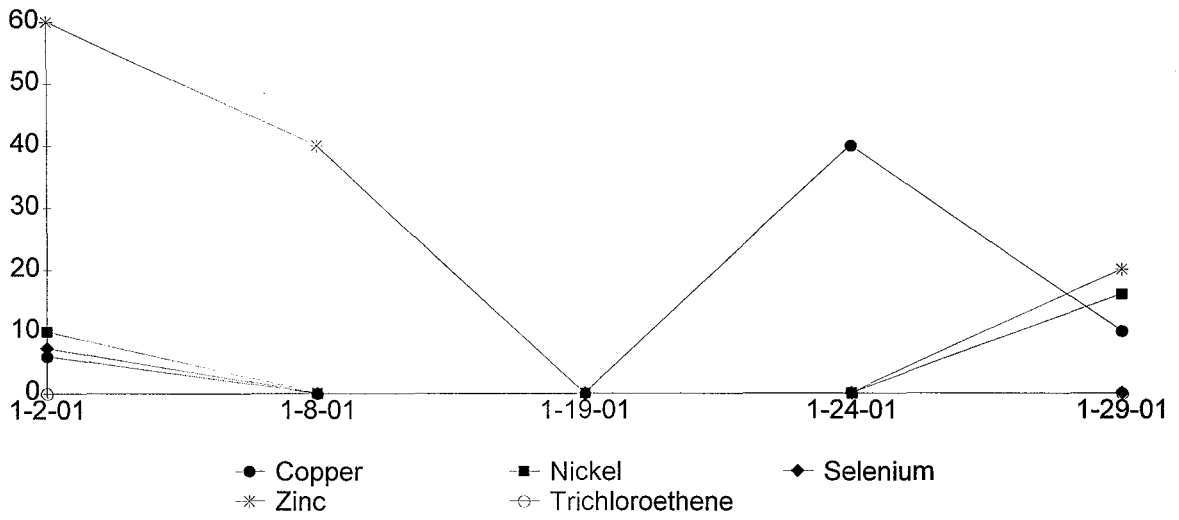
1.3 Effluent Monitoring

Weekly monitoring was conducted on January 2, 8, 19, 24, and 29. The weekly samples for January were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in January 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

There were no plant permit exceedences during the month of January of 2001.

3.0 Treatment Plant Shut Downs

The Treatment Plant was two shut down times for a total of 6.25 hours in January, 2001. The shut downs were due to Scheduled Maintenance and to Treatment System Feed Pump Failure. Table 1 shows the summary of the plant down times for the month of January, 2001.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
1-4-01	3	Scheduled Maintenance Shut Down
1-18-01	3.25	Treatment System Feed Pump Failure
TOTAL	**6.25**	

3.1 Shut Down Due To Scheduled Maintenance

On January 4, at 8:00 A.M., the treatment plant was shut down to remove the sludge from the Rapid Mix Tank (RMT-301), Flocculation Tank (FT-311), and Clarifier (C-400). Other work that was performed during the shut down was the replacing of the auger shaft's seal on the Clarifier's Thickener Drive (TD-401) and the changing of the drive gear oil on the Flocculation Tank Mixer (FTM-312). The treatment plant was restarted at 11:00 A.M. APL, WDNR, and USACE were notified. The total down time was 3 hours.

3.2 Shut Down Due To Treatment System Feed Pump Failure

On January 18, the treatment system was discovered shut down upon the arrival of the operator. After a quick inspection, the system was found to have been shut down since 1:50 A.M. due to the failure of the Treatment System Feed Pump (TFP-110). After several attempts to restart TFP-110, it was isolated and the stand-by Treatment System Feed Pump (TFP-111) was put in line. At 5:10 A.M., the treatment system was re-started and each process was inspected. Everything else was found to be operating normally. TFP-110 was dismantled and found to be

clogged with the sludge/hardness that the operators are constantly battling to stay ahead of. The wet ends of the pumps were cleaned with Muriatic acid and lubricated. TFP-110 was reassembled, put back in line, and activated. TFP-111 was taken out of line and put back in the stand by position. TFP-110 was functioning normally. APL, WDNR, and USACE were notified. The total down time was 3.25 hours.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 5 times during the month of January 2001. It was filled and emptied on January 3, twice on January 5, on January 22, and on January 23. The dewatered sludge is sampled 1 time during the 90 day period since the first opening of the press for the new hopper. We have 90 days after the first opening of the press and dumping into the new hopper to have it removed from the site. The old sludge hopper was removed and a new hopper was set up on January 11. The dewatered sludge hopper removal date is April 22. There were 12 filter press loads of dewatered sludge in the old hopper. The initial opening of the press and dumping into and sampling of the new hopper occurred on January 22. There are 2 filter press loads of dewatered sludge in the new hopper.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on January 2, 8, 19, 24, and 29 of 2001. The laboratory results of these samples show that all contaminants listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of January, 2001, the plant was shut down two times for a total of 6.25 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 February 15, 2001.

The Filter Press was filled and emptied 5 times during the month of January, 2001. A new hopper was set up on January 11. The old hopper had 12 Filter Press fillings in it before it was removed. The new hopper has 2 Filter Press fillings in it at the end of January, 2001.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-02-01	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.7/6.8	11.5	N/A	N/A	7.2	Monitor	
TSS	3.5/6.5	NT	NT	NT	8	Monitor	mg/l
Arsenic	<5.6/<5.6	NT	NT	NT	<5.6	5	
Barium	110/120	NT	NT	NT	8	400	
Cadmium	<0.4/<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4/<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2/<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8/<8	NT	NT	NT	<8	10	
Copper	7/10	NT	NT	NT	6	Monitor	
Iron	980/1100	NT	NT	NT	90	Monitor	
Lead	<1.5/17	NT	NT	NT	<1.5	1.5	
Manganese	160/170	NT	NT	NT	<6	Monitor	
Mercury	<0.2/<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30/40	NT	NT	NT	10	20	
Selenium	<4.8/<4.8	NT	NT	NT	7.3	10	
Silver	<4/<4	NT	NT	NT	<4	10	
Thallium	<1.3/<1.3	NT	NT	NT	<1.3	0.4	
Zinc	120/20	NT	NT	NT	60	Monitor	
Cyanide	20/20	NT	NT	NT	<6	40	
Cyanide Amenable	<6/<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	29/23	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8/<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7/<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	46/35	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3/<1.3	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3/<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5/<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6/<1.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5/<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	138/91	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2/<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	420/344	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1/<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7/<2.7	NT	<0.53	<0.53	<0.53	124	
COD	22/21	NT	NT	NT	13	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.3	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	<0.1	Monitor	mg/l

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

Influent Sample was duplicated.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-08-01	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.7	11.5	N/A	N/A	7.7	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	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	NT	NT	NT	<4	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	150	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	20	NT	NT	NT	40	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	30	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<2.3	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	44	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	119	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	429	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:	1-19-01	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.7	11.6	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	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	970	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	<11	20	
Selenium	20	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	20	NT	NT	NT	<14	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	29	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	44	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	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	444	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:	1-24-01	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.8	11.5	N/A	N/A	7.3	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	40	Monitor	
Iron	970	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	<11	20	
Selenium	12	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	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	27	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	42	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	114	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	444	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:	1-29-01	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.8	11.5	N/A	N/A	7.3	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	7	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	10	NT	NT	NT	<8	10	
Copper	10	NT	NT	NT	10	Monitor	
Iron	1000	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	200	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	40	NT	NT	NT	16	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	50	NT	NT	NT	20	Monitor	
Cyanide	10	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	29	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	41	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	125	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	452	NT	0.93	<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: Jan. DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	974,172.20	34,930.40	0.035	
2	1,009,102.60	24,701.00	0.025	
3	1,033,803.60	21,682.20	0.022	
4	1,055,485.80	24,489.70	0.024	SHUT DOWN
5	1,079,975.50	15,828.80	0.016	SHUT DOWN
6	1,095,804.30	30,470.60	0.030	
7	1,126,274.90	31,636.10	0.032	
8	1,157,911.00	27,541.60	0.028	SHUT DOWN
9	1,185,452.60	26,859.70	0.027	
10	1,212,312.30	26,318.30	0.026	
11	1,238,630.60	26,948.00	0.027	
12	1,265,578.60	15,602.60	0.016	
13	1,281,181.20	31,610.30	0.032	
14	1,312,791.50	29,511.60	0.030	
15	1,342,303.10	29,051.20	0.029	
16	1,371,354.30	26,326.60	0.026	
17	1,397,680.90	26,250.20	0.026	
18	1,423,931.10	26,011.60	0.026	
19	1,449,942.70	16,639.80	0.017	
20	1,466,582.50	31,292.10	0.031	
21	1,497,874.60	30,794.10	0.031	
22	1,528,668.70	20,444.50	0.020	
23	1,549,113.20	28,258.30	0.028	
24	1,577,371.50	25,519.80	0.026	
25	1,602,891.30	21,022.60	0.021	
26	1,623,913.90	18,713.20	0.019	
27	1,642,627.10	27,880.50	0.028	
28	1,670,507.60	28,688.50	0.029	
29	1,699,196.10	24,941.00	0.025	
30	1,724,137.10	20,799.60	0.021	
31	1,744,936.70	27,812.70	0.028	SHUT DOWN
February 01	1,772,749.40			SHUT DOWN
		TOTAL	0.801	
		AVERAGE	0.026	

FLOW FROM EQT-100

YEAR: 2001				
MONTH: Jan. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	1,430,287.90	47,946.90	0.048	
2	1,478,234.80	36,132.80	0.036	
3	1,514,367.60	30,569.00	0.031	
4	1,544,936.60	35,547.40	0.036	SHUT DOWN
5	1,580,484.00	20,693.20	0.021	
6	1,601,177.20	40,094.50	0.040	
7	1,641,271.70	42,342.10	0.042	
8	1,683,613.80	38,700.40	0.039	
9	1,722,314.20	34,032.40	0.034	
10	1,756,346.60	34,035.70	0.034	
11	1,790,382.30	35,992.60	0.036	
12	1,826,374.90	21,239.60	0.021	
13	1,847,614.50	43,165.30	0.043	
14	1,890,779.80	37,987.90	0.038	
15	1,928,767.70	39,794.40	0.040	
16	1,968,562.10	37,543.90	0.038	
17	2,006,106.00	32,826.40	0.033	
18	2,038,932.40	37,282.40	0.037	SHUT DOWN
19	2,076,214.80	21,162.50	0.021	
20	2,097,377.30	40,437.40	0.040	
21	2,137,814.70	44,650.50	0.045	
22	2,182,465.20	30,265.90	0.030	
23	2,212,731.10	36,182.90	0.036	
24	2,248,914.00	35,710.60	0.036	
25	2,284,624.60	30,383.70	0.030	
26	2,315,008.30	25,510.00	0.026	
27	2,340,518.30	38,510.40	0.039	
28	2,379,028.70	39,501.90	0.040	
29	2,418,530.60	34,451.10	0.034	
30	2,452,981.70	32,059.40	0.032	
31	2,485,041.10	41,015.40	0.041	
February 01	2,526,056.50			SHUT DOWN
		TOTAL	1.097	
		AVERAGE	0.035	

FLOW FROM EXTRACTION WELLS

YEAR: 2001

MONTH: Jan. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	4,803,055.00	34,410.00	0.034	
2	4,837,465.00	24,578.00	0.025	
3	4,862,043.00	21,613.00	0.022	
4	4,883,656.00	24,435.00	0.024	SHUT DOWN
5	4,908,091.00	16,019.00	0.016	SHUT DOWN
6	4,924,110.00	30,080.00	0.030	
7	4,954,190.00	31,479.00	0.031	
8	4,985,669.00	27,399.00	0.027	
9	5,013,068.00	26,730.00	0.027	SHUT DOWN
10	5,039,798.00	26,196.00	0.026	
11	5,065,994.00	26,849.00	0.027	
12	5,092,843.00	16,335.00	0.016	
13	5,109,178.00	30,699.00	0.031	
14	5,139,877.00	29,402.00	0.029	
15	5,169,279.00	28,942.00	0.029	
16	5,198,221.00	26,257.00	0.026	
17	5,224,478.00	26,192.00	0.026	
18	5,250,670.00	25,859.00	0.026	
19	5,276,529.00	16,952.00	0.017	
20	5,293,481.00	30,818.00	0.031	
21	5,324,299.00	30,647.00	0.031	
22	5,354,946.00	20,360.00	0.020	
23	5,375,306.00	28,140.00	0.028	
24	5,403,446.00	25,398.00	0.025	
25	5,428,844.00	21,424.00	0.021	
26	5,450,268.00	18,672.00	0.019	
27	5,468,940.00	27,317.00	0.027	
28	5,496,257.00	28,591.00	0.029	
29	5,524,848.00	23,798.00	0.024	
30	5,548,646.00	21,883.00	0.022	
31	5,570,529.00	35,450.00	0.035	SHUT DOWN
February 01	5,605,979.00			SHUT DOWN
		TOTAL	0.801	
		AVERAGE	0.026	

FLOW FROM EQT-100

YEAR: 2001

MONTH: Jan. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	1,177,202.00	48,387.00	0.048	
2	1,225,589.00	35,045.00	0.035	
3	1,260,634.00	30,565.00	0.031	
4	1,291,199.00	35,536.00	0.036	SHUT DOWN
5	1,326,735.00	21,051.00	0.021	
6	1,347,786.00	39,634.00	0.040	
7	1,387,420.00	42,344.00	0.042	
8	1,429,764.00	38,572.00	0.039	
9	1,468,336.00	34,103.00	0.034	
10	1,502,439.00	34,016.00	0.034	
11	1,536,455.00	35,910.00	0.036	
12	1,572,365.00	22,361.00	0.022	
13	1,594,726.00	42,041.00	0.042	
14	1,636,767.00	37,964.00	0.038	
15	1,674,731.00	39,721.00	0.040	
16	1,714,452.00	37,524.00	0.038	
17	1,751,976.00	32,819.00	0.033	
18	1,784,795.00	37,243.00	0.037	SHUT DOWN
19	1,822,038.00	21,644.00	0.022	
20	1,843,682.00	39,862.00	0.040	
21	1,883,544.00	44,575.00	0.045	
22	1,928,119.00	30,280.00	0.030	
23	1,958,399.00	36,209.00	0.036	
24	1,994,608.00	35,626.00	0.036	
25	2,030,234.00	31,019.00	0.031	
26	2,061,253.00	25,551.00	0.026	
27	2,086,804.00	37,771.00	0.038	
28	2,124,575.00	39,461.00	0.039	
29	2,164,036.00	33,064.00	0.033	
30	2,197,100.00	33,849.00	0.034	
31	2,230,949.00	46,487.00	0.046	
February 01	2,277,436.00			SHUT DOWN
		TOTAL	1.102	
		AVERAGE	0.036	

EFFLUENT FLOW FROM PLANT

YEAR: 2001					
MONTH: Jan. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	7,675,208.00	18,326.00	36,652.00	0.037	
2	7,693,534.00	11,955.00	23,910.00	0.024	
3	7,705,489.00	11,103.00	22,206.00	0.022	
4	7,716,592.00	13,636.00	27,272.00	0.027	SHUT DOWN
5	7,730,228.00	8,337.00	16,674.00	0.017	
6	7,738,565.00	14,883.00	29,766.00	0.030	
7	7,753,448.00	15,369.00	30,738.00	0.031	
8	7,768,817.00	14,337.00	28,674.00	0.029	
9	7,783,154.00	13,152.00	26,304.00	0.026	
10	7,796,306.00	12,430.00	24,860.00	0.025	
11	7,808,736.00	12,382.00	24,764.00	0.025	
12	7,821,118.00	9,924.00	19,848.00	0.020	
13	7,831,042.00	15,648.00	31,296.00	0.031	
14	7,846,690.00	13,163.00	26,326.00	0.026	
15	7,859,853.00	15,373.00	30,746.00	0.031	
16	7,875,226.00	14,089.00	28,178.00	0.028	
17	7,889,315.00	11,592.00	23,184.00	0.023	
18	7,900,907.00	14,888.00	29,776.00	0.030	SHUT DOWN
19	7,915,795.00	8,474.00	16,948.00	0.017	
20	7,924,269.00	14,385.00	28,770.00	0.029	
21	7,938,654.00	15,838.00	31,676.00	0.032	
22	7,954,492.00	11,770.00	23,540.00	0.024	
23	7,966,262.00	12,720.00	25,440.00	0.025	
24	7,978,982.00	12,922.00	25,844.00	0.026	
25	7,991,904.00	10,895.00	21,790.00	0.022	
26	8,002,799.00	10,862.00	21,724.00	0.022	
27	8,013,661.00	13,426.00	26,852.00	0.027	
28	8,027,087.00	13,759.00	27,518.00	0.028	
29	8,040,846.00	11,233.00	22,466.00	0.022	
30	8,052,079.00	11,965.00	23,930.00	0.024	
31	8,064,044.00	17,986.00	35,972.00	0.036	
February 01	8,082,030.00				SHUT DOWN
			TOTAL	0.816	
			AVERAGE	0.026	

MONITOR WELL DEPTHS

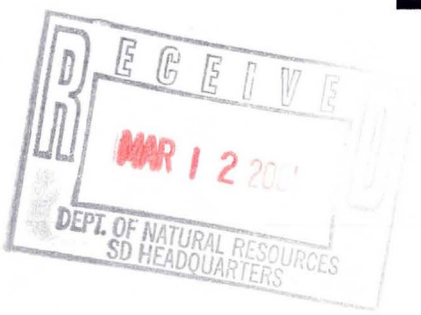
OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL		FEET		
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
July 31, 1998	6.64	DRY	3.74	4.26	8.00	COVERED
Aug. 31, 1998	7.70	DRY	DRY	5.34	8.70	COVERED
Sept. 17, 1998	7.50	DRY	DRY	5.00	8.66	COVERED
Oct. 7, 1998	6.50	DRY	3.75	4.10	8.34	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

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

APL INC.

INORGANIC REPORT



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

WDNR# 241340550

INVOICE NUMBER **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 02-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 22559		Matrix: GW							Collection: 1/2/2001		Time: 10:05
Client ID: **010102WA01P**									Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jz	1/4/2001	*996047*	
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.007	0.02	200.7	tm	1/5/2001	*996052*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jz	1/4/2001	*996049*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	1/5/2001	*996052*	
Copper- ICAP	**0.007**	**mg/l**	*J*	**RJ**	0.006	0.02	200.7	tm	1/5/2001	*996052*	
Iron - ICAP	**0.98**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	1/5/2001	*996052*	
Lead - Furnace AA	**<1.5**	**ug/l**			1.5	4.8	239.2	jz	1/5/2001	*996063*	
Manganese - ICAP	**0.16**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	1/5/2001	*996052*	
Mercury CV	**<0.0002**	**mg/l**			0.0002	0.0006	245.1	jz mw	1/15/2001	*996135*	
Nickel - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	tm	1/5/2001	*996052*	
Selenium - Furnace AA	**<4.8**	**ug/l**			4.8	15	270.2	jz	1/10/2001	*996091*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	tm	1/5/2001	*996052*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	tm	1/8/2001	*996072*	
Zinc - ICAP	**0.12**	**mg/l**		**RJ**	0.014	0.04	200.7	tm	1/5/2001	*996052*	
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	tm	1/3/2001	*996100*	
COD. Total	**22**	**mg/l**			3.4	11	410.4-CT		1/10/2001		
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	tm	1/12/2001	*996124*	
Cyanide, Total	**0.02**	**mg/l**			0.006	0.02	335.2	tm	1/12/2001	*996123*	
pH (water)	**6.8**	**s.u.**	#				150.1	ogtp	1/5/2001	*996054*	
Solids, Total Suspended	**3.5**	**mg/l**			1	3.2	SM 2540D	mw	1/16/2001	*996148*	
Sample Number: 22560		Matrix: GW							Collection: 1/2/2001		Time: 10:15
Client ID: **010102WA02P**									Sample Description:		
pH (water)	**9.5**	**s.u.**	#				150.1	ogtp	1/5/2001	*996054*	
Sample Number: 22561		Matrix: GW							Collection: 1/2/2001		Time: 10:17
Client ID: **010102WA03P**									Sample Description:		
pH (water)	**12**	**s.u.**	#				150.1	ogtp	1/5/2001	*996054*	
Sample Number: 22562		Matrix: GW							Collection: 1/2/2001		Time: 10:13
Client ID: **010102WA05P**									Sample Description:		

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 02-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	**7.5**	**s.u.**	#			150.1	ogtp	1/5/2001	*996054*	
Sample Number: 22565		Matrix: GW						Collection: 1/2/2001		Time:
Client ID: **010102WA09P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	tm	1/3/2001	*996100*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	1/12/2001	*996124*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	1/12/2001	*996123*	
pH (water)	**7.3**	**s.u.**	#			150.1	ogtp	1/5/2001	*996054*	
Sample Number: 22567		Matrix: GW						Collection: 1/2/2001		Time: 10:05
Client ID: **010102WAO1Q**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	RJ	5.6	18	206.2	jz	1/4/2001	*996047*	
Barium - ICAP	**0.12**	**mg/l**	RJ	0.007	0.02	200.7	tm	1/5/2001	*996052*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	TTR	0.4	1.3	213.2	jz	1/4/2001	*996049*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	RJ	0.008	0.03	200.7	tm	1/5/2001	*996052*	
Copper- ICAP	**0.01**	**mg/l**	*J* RJ	0.006	0.02	200.7	tm	1/5/2001	*996052*	
Iron - ICAP	**1.1**	**mg/l**	RJ	0.081	0.26	200.7	tm	1/5/2001	*996052*	
Lead - Furnace AA	**17**	**ug/l**		1.5	4.8	239.2	jz	1/5/2001	*996063*	
Manganese - ICAP	**0.17**	**mg/l**	RJ	0.006	0.02	200.7	tm	1/5/2001	*996052*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz mw	1/15/2001	*996135*	
Nickel - ICAP	**0.04**	**mg/l**	RJ	0.011	0.03	200.7	tm	1/5/2001	*996052*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	jz	1/10/2001	*996091*	
Silver - ICAP	**<0.004**	**mg/l**	RJ	0.004	0.01	200.7	tm	1/5/2001	*996052*	
Thallium - Furnace AA	**<1.3**	**ug/l**	RJ	1.3	4.1	279.2	tm	1/8/2001	*996072*	
Zinc - ICAP	**0.02**	**mg/l**	*J* RJ	0.014	0.04	200.7	tm	1/5/2001	*996052*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	tm	1/3/2001	*996100*	
COD. Total	**21**	**mg/l**		3.4	11	410.4-CT		1/10/2001		
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	1/12/2001	*996124*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	tm	1/12/2001	*996123*	
pH (water)	**6.7**	**s.u.**	#			150.1	ogtp	1/5/2001	*996054*	
Solids, Total Suspended	**6.5**	**mg/l**		1	3.2	SM 2540D	mw	1/16/2001	*996148*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 02-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Sample Number: 22568 Matrix: GW
Client ID: **010102WAO9R**
Collection: 1/2/2001 Time: 10:25
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	1/4/2001	*996047*	
Barium - ICAP	**0.008**	**mg/l**	***J*** **RJ**	0.007	0.02	200.7	tm	1/5/2001	*996052*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	1/4/2001	*996049*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	1/5/2001	*996052*	
Copper- ICAP	**0.006**	**mg/l**	***J*** **RJ**	0.006	0.02	200.7	tm	1/5/2001	*996052*	
Iron - ICAP	**0.09**	**mg/l**	***J*** **RJ**	0.081	0.26	200.7	tm	1/5/2001	*996052*	
Lead - Furnace AA	**<1.5**	**ug/l**		1.5	4.8	239.2	jz	1/5/2001	*996063*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/5/2001	*996052*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz mw	1/15/2001	*996135*	
Nickel - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	tm	1/5/2001	*996052*	
Selenium - Furnace AA	**7.3**	**ug/l**	***J***	4.8	15	270.2	jz	1/10/2001	*996091*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	1/5/2001	*996052*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	1/8/2001	*996072*	
Zinc - ICAP	**0.06**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	1/5/2001	*996052*	
COD. Total	**13**	**mg/l**		3.4	11	410.4-CT	st ameri	1/10/101	*996102*	
Nitrate + Nitrite Nitrogen	**1.3**	**mg/l**		0.03	0.10	353.3	st ameri	1/5/2001	*996144*	
Nitrogen, Ammonia	**<1.25**	**mg/l**		1.25	4.0	350.1	st ameri	1/4/2001	*996143*	
Phosphorus, Total	**<0.033**	**mg/l**		0.033	0.10	365.2	st ameri	1/9/2001	*996145*	
Solids, Total Suspended	**8**	**mg/l**		1	3.2	SM 2540D	mw	1/16/2001	*996148*	

Approved By: _____ **Date:** 2/5/01
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: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 02-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Sample Number: 22559 QC Prep Batch Number: 996080 Collection: 1/2/2001 Time: 10:05
Client ID: 010102WA01P 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	1/4/2001 / 1/4/2001
1,1,1-Trichloroethane	138	ug/l	1.6	4.9	5		8260	qh	1/4/2001 / 1/4/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/4/2001 / 1/4/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/4/2001 / 1/4/2001
1,1-Dichloroethane	29	ug/l	1.6	5.1	5		8260	qh	1/4/2001 / 1/4/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	1/4/2001 / 1/4/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	1/4/2001 / 1/4/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	1/4/2001 / 1/4/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	1/4/2001 / 1/4/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/4/2001 / 1/4/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	1/4/2001 / 1/4/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	1/4/2001 / 1/4/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/4/2001 / 1/4/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/4/2001 / 1/4/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/4/2001 / 1/4/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/4/2001 / 1/4/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	1/4/2001 / 1/4/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	1/4/2001 / 1/4/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/4/2001 / 1/4/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	1/4/2001 / 1/4/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	1/4/2001 / 1/4/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/4/2001 / 1/4/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/4/2001 / 1/4/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	1/4/2001 / 1/4/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/4/2001 / 1/4/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	1/4/2001 / 1/4/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/4/2001 / 1/4/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	1/4/2001 / 1/4/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/4/2001 / 1/4/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	1/4/2001 / 1/4/2001
cis-1,2-Dichloroethene	46	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/4/2001 / 1/4/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	1/4/2001 / 1/4/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 02-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/4/2001 / 1/4/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/4/2001 / 1/4/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	1/4/2001 / 1/4/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/4/2001 / 1/4/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	1/4/2001 / 1/4/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/4/2001 / 1/4/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/4/2001 / 1/4/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	1/4/2001 / 1/4/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	1/4/2001 / 1/4/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/4/2001 / 1/4/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/4/2001 / 1/4/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/4/2001 / 1/4/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/4/2001 / 1/4/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	1/4/2001 / 1/4/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/4/2001 / 1/4/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/4/2001 / 1/4/2001
Trichloroethene	420	ug/l	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/4/2001 / 1/4/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	1/4/2001 / 1/4/2001

Sample Number: 22563 QC Prep Batch Number: 996080 Collection: 1/2/2001 Time: 10:10
Client ID: 010102WA07P Sample Description:

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

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

WDNR# 241340550

BATCH NUMBER: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 03-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 03-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/4/2001 / 1/4/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/4/2001 / 1/4/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/4/2001 / 1/4/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/4/2001 / 1/4/2001

Sample Number: 22564 QC Prep Batch Number: 996080 Collection: 1/2/2001 Time: 10:20
Client ID: 010102WA08P Sample Description:

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 02-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/4/2001 / 1/4/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/4/2001 / 1/4/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/4/2001 / 1/4/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/4/2001 / 1/4/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/4/2001 / 1/4/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/4/2001 / 1/4/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/4/2001 / 1/4/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/4/2001 / 1/4/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/4/2001 / 1/4/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/4/2001 / 1/4/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/4/2001 / 1/4/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/4/2001 / 1/4/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/4/2001 / 1/4/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/4/2001 / 1/4/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/4/2001 / 1/4/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/4/2001 / 1/4/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/4/2001 / 1/4/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/4/2001 / 1/4/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/4/2001 / 1/4/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/4/2001 / 1/4/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/4/2001 / 1/4/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/4/2001 / 1/4/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/4/2001 / 1/4/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/4/2001 / 1/4/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/4/2001 / 1/4/2001

Sample Number: 22565
Client ID: 010102WA09P

QC Prep Batch Number: 996080

Collection: 1/2/2001 Time:
Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 03-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 03-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/4/2001 / 1/4/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/4/2001 / 1/4/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/4/2001 / 1/4/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/4/2001 / 1/4/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/4/2001 / 1/4/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/4/2001 / 1/4/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/4/2001 / 1/4/2001

Sample Number: 22566 QC Prep Batch Number: 996080 Collection: 1/2/2001 Time:
Client ID: Trip Blank Sample Description:

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 02-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/4/2001 / 1/4/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/4/2001 / 1/4/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/4/2001 / 1/4/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/4/2001 / 1/4/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/4/2001 / 1/4/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/4/2001 / 1/4/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/4/2001 / 1/4/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/4/2001 / 1/4/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/4/2001 / 1/4/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/4/2001 / 1/4/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/4/2001 / 1/4/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/4/2001 / 1/4/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/4/2001 / 1/4/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/4/2001 / 1/4/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/4/2001 / 1/4/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/4/2001 / 1/4/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/4/2001 / 1/4/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/4/2001 / 1/4/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/4/2001 / 1/4/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/4/2001 / 1/4/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/4/2001 / 1/4/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/4/2001 / 1/4/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/4/2001 / 1/4/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/4/2001 / 1/4/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/4/2001 / 1/4/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/4/2001 / 1/4/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/4/2001 / 1/4/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/4/2001 / 1/4/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/4/2001 / 1/4/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/4/2001 / 1/4/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/4/2001 / 1/4/2001

Sample Number: 22567
Client ID: 010102WAO1Q

QC Prep Batch Number: 996080

Collection: 1/2/2001 Time: 10:05
Sample Description:

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	1/4/2001 / 1/4/2001
1,1,1-Trichloroethane	91	ug/l	1.6	4.9	5		8260	qh	1/4/2001 / 1/4/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/4/2001 / 1/4/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/4/2001 / 1/4/2001
1,1-Dichloroethane	23	ug/l	1.6	5.1	5		8260	qh	1/4/2001 / 1/4/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 02-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	1/4/2001 / 1/4/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	1/4/2001 / 1/4/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	1/4/2001 / 1/4/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	1/4/2001 / 1/4/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/4/2001 / 1/4/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	1/4/2001 / 1/4/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	1/4/2001 / 1/4/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/4/2001 / 1/4/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/4/2001 / 1/4/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/4/2001 / 1/4/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/4/2001 / 1/4/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	1/4/2001 / 1/4/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	1/4/2001 / 1/4/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/4/2001 / 1/4/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	1/4/2001 / 1/4/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	1/4/2001 / 1/4/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/4/2001 / 1/4/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/4/2001 / 1/4/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	1/4/2001 / 1/4/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/4/2001 / 1/4/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	1/4/2001 / 1/4/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/4/2001 / 1/4/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	1/4/2001 / 1/4/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/4/2001 / 1/4/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	1/4/2001 / 1/4/2001
cis-1,2-Dichloroethene	35	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/4/2001 / 1/4/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	1/4/2001 / 1/4/2001
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/4/2001 / 1/4/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/4/2001 / 1/4/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/4/2001 / 1/4/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	1/4/2001 / 1/4/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/4/2001 / 1/4/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	1/4/2001 / 1/4/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/4/2001 / 1/4/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/4/2001 / 1/4/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000964**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 02-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 1.4	**ug/l**	1.4	4.5	5		8260	qh	1/4/2001 / 1/4/2001
Naphthalene	< 3.8	**ug/l**	3.8	12	5		8260	qh	1/4/2001 / 1/4/2001
o-xylene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	1/4/2001 / 1/4/2001
p-Isopropyltoluene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	1/4/2001 / 1/4/2001
sec-Butylbenzene	< 1.7	**ug/l**	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001
Styrene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	1/4/2001 / 1/4/2001
tert-Butylbenzene	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	1/4/2001 / 1/4/2001
Tetrachloroethene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	1/4/2001 / 1/4/2001
Toluene	< 1.5	**ug/l**	1.5	4.6	5		8260	qh	1/4/2001 / 1/4/2001
trans-1,2-Dichloroethene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	1/4/2001 / 1/4/2001
trans-1,3-Dichloropropene	< 1.3	**ug/l**	1.3	4.1	5		8260	qh	1/4/2001 / 1/4/2001
Trichloroethene	344	**ug/l**	1.7	5.4	5		8260	qh	1/4/2001 / 1/4/2001
Trichlorofluoromethane	< 1.2	**ug/l**	1.2	3.8	5		8260	qh	1/4/2001 / 1/4/2001
Vinyl chloride	< 1.0	**ug/l**	1.0	3.2	5		8260	qh	1/4/2001 / 1/4/2001

Approved By: _____ **Date:** 2/5/01
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.

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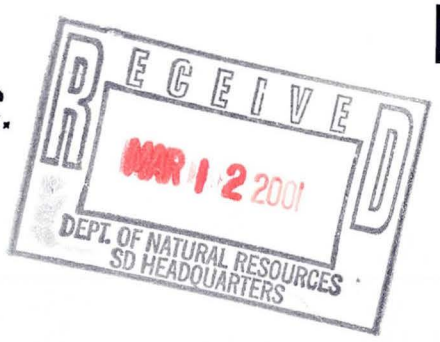

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 22620 Matrix: GW
Client ID: **010108WA01P**
Collection: 1/8/2001 Time: 08:30
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		5.6	18	206.2	jz	1/15/2001	*996131*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	1/15/2001	*996155*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	1/11/2001	*996103*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	1/15/2001	*996155*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/15/2001	*996155*	
Iron - ICAP	**1**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	1/15/2001	*996155*	
Lead - Furnace AA	**<1.5**	**ug/l**		1.5	4.8	239.2	jz	1/11/2001	*996093*	
Manganese - ICAP	**0.15**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/15/2001	*996155*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz mw	1/15/2001	*996135*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	1/15/2001	*996155*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	jz	1/10/2001	*996091*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	1/15/2001	*996155*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	1/8/2001	*996072*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	1/15/2001	*996155*	
Chromium, Hexavalent	**<0.004**	**mg/l**		0.004	0.01	SM 3500D		1/9/2001	*996100*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	1/12/2001	*996124*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	1/12/2001	*996123*	
pH (water)	**6.7**	**s.u.**	**#**			150.1	ogtp	1/8/2001	*996078*	

Sample Number: 22621 Matrix: GW
Client ID: **010108WA09R**
Collection: 1/8/2001 Time: 08:42
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**		5.6	18	206.2	jz	1/15/2001	*996131*	
Barium - ICAP	**0.01**	**mg/l**	***J* RJ**	0.007	0.02	200.7	tm	1/15/2001	*996155*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	1/11/2001	*996103*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	1/15/2001	*996155*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/15/2001	*996155*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	1/15/2001	*996155*	
Lead - Furnace AA	**<1.5**	**ug/l**		1.5	4.8	239.2	jz	1/11/2001	*996093*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/15/2001	*996155*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz mw	1/15/2001	*996135*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	1/15/2001	*996155*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-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**		4.8	15	270.2	jz	1/10/2001	*996091*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	1/15/2001	*996155*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	1/8/2001	*996072*	
Zinc - ICAP	**0.04**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	1/15/2001	*996155*	
Sample Number: 22622		Matrix: GW						Collection: 1/8/2001		Time: 08:47
Client ID: **010108WA02P**								Sample Description:		
pH (water)	**9.6**	**s.u.**	**#**			150.1	ogtp	1/8/2001	*996078*	
Sample Number: 22623		Matrix: GW						Collection: 1/8/2001		Time: 08:50
Client ID: **010108WA03P**								Sample Description:		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	1/8/2001	*996078*	
Sample Number: 22624		Matrix: GW						Collection: 1/8/2001		Time: 08:35
Client ID: **010108WA05P**								Sample Description:		
pH (water)	**7.7**	**s.u.**	**#**			150.1	ogtp	1/8/2001	*996078*	
Sample Number: 22628		Matrix: GW						Collection: 1/8/2001		Time: 08:53
Client ID: **010108WA09P**								Sample Description:		
Chromium, Hexavalent	**<0.004**	**mg/l**		0.004	0.01	SM 3500D		1/9/2001	*996100*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	1/12/2001	*996124*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	1/12/2001	*996123*	
pH (water)	**7.7**	**s.u.**	**#**			150.1	ogtp	1/8/2001	*996078*	

APL INC.

INORGANIC REPORT

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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:** 2/5/01

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.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-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: 22620 QC Prep Batch Number: 996085 Collection: 1/8/2001 Time: 08:30
Client ID: 010108WA01P 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 / 1/8/2001
1,1,1-Trichloroethane	119	ug/l	1.6	4.9	5		8260	qh	1/8/2001 / 1/8/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/8/2001 / 1/8/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethane	30	ug/l	1.6	5.1	5		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2001 / 1/8/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	1/8/2001 / 1/8/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/8/2001 / 1/8/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/8/2001 / 1/8/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/8/2001 / 1/8/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/8/2001 / 1/8/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/8/2001 / 1/8/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/8/2001 / 1/8/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	1/8/2001 / 1/8/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	1/8/2001 / 1/8/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2001 / 1/8/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/8/2001 / 1/8/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	1/8/2001 / 1/8/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	1/8/2001 / 1/8/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/8/2001 / 1/8/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/8/2001 / 1/8/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/8/2001 / 1/8/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	1/8/2001 / 1/8/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/8/2001 / 1/8/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	1/8/2001 / 1/8/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/8/2001 / 1/8/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/8/2001 / 1/8/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	1/8/2001 / 1/8/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/8/2001 / 1/8/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	1/8/2001 / 1/8/2001
cis-1,2-Dichloroethene	44	ug/l	1.4	4.3	5		8260	qh	1/8/2001 / 1/8/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/8/2001 / 1/8/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	1/8/2001 / 1/8/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-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 / 1/8/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/8/2001 / 1/8/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/8/2001 / 1/8/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	1/8/2001 / 1/8/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2001 / 1/8/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/8/2001 / 1/8/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	1/8/2001 / 1/8/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/8/2001 / 1/8/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2001 / 1/8/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/8/2001 / 1/8/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	1/8/2001 / 1/8/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	1/8/2001 / 1/8/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/8/2001 / 1/8/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/8/2001 / 1/8/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/8/2001 / 1/8/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/8/2001 / 1/8/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2001 / 1/8/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/8/2001 / 1/8/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	1/8/2001 / 1/8/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/8/2001 / 1/8/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/8/2001 / 1/8/2001
Trichloroethene	429	ug/l	1.7	5.4	5		8260	qh	1/8/2001 / 1/8/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/8/2001 / 1/8/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	1/8/2001 / 1/8/2001

Sample Number: 22625 QC Prep Batch Number: 996085 Collection: 1/8/2001 Time: 08:37
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/8/2001 / 1/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/8/2001 / 1/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-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	1/8/2001 / 1/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2001 / 1/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2001 / 1/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/8/2001 / 1/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/8/2001 / 1/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/8/2001 / 1/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/8/2001 / 1/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/8/2001 / 1/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/8/2001 / 1/8/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/8/2001 / 1/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/8/2001 / 1/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/8/2001 / 1/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/8/2001 / 1/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/8/2001 / 1/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2001 / 1/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/8/2001 / 1/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2001 / 1/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/8/2001 / 1/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/8/2001 / 1/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/8/2001 / 1/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-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	1/8/2001 / 1/8/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	1/8/2001 / 1/8/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	1/8/2001 / 1/8/2001

Sample Number: 22626 QC Prep Batch Number: 996085 Collection: 1/8/2001 Time: 08:37
Client ID: 010108WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	1/8/2001 / 1/8/2001
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	1/8/2001 / 1/8/2001
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	1/8/2001 / 1/8/2001
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	1/8/2001 / 1/8/2001
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	qh	1/8/2001 / 1/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	qh	1/8/2001 / 1/8/2001
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	qh	1/8/2001 / 1/8/2001
Acetone	< 1.6	**ug/l**	1.6	4.9	1		8260	qh	1/8/2001 / 1/8/2001
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromodichloromethane	< 0.38	**ug/l**	0.38	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromoform	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	1/8/2001 / 1/8/2001
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	1/8/2001 / 1/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-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	1/8/2001 / 1/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/8/2001 / 1/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/8/2001 / 1/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/8/2001 / 1/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/8/2001 / 1/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2001 / 1/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/8/2001 / 1/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2001 / 1/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/8/2001 / 1/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/8/2001 / 1/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/8/2001 / 1/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/8/2001 / 1/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/8/2001 / 1/8/2001

Sample Number: 22627 QC Prep Batch Number: 996085 Collection: 1/8/2001 Time: 08:40
Client ID: 010108WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/8/2001 / 1/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-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	1/8/2001 / 1/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/8/2001 / 1/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2001 / 1/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2001 / 1/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/8/2001 / 1/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/8/2001 / 1/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/8/2001 / 1/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/8/2001 / 1/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/8/2001 / 1/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/8/2001 / 1/8/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/8/2001 / 1/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/8/2001 / 1/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/8/2001 / 1/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/8/2001 / 1/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/8/2001 / 1/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2001 / 1/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/8/2001 / 1/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2001 / 1/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/8/2001 / 1/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/8/2001 / 1/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-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	1/8/2001 / 1/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/8/2001 / 1/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/8/2001 / 1/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/8/2001 / 1/8/2001

Sample Number: 22628 QC Prep Batch Number: 996085 Collection: 1/8/2001 Time: 08:53
Client ID: 010108WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/8/2001 / 1/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/8/2001 / 1/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/8/2001 / 1/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/8/2001 / 1/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2001 / 1/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2001 / 1/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/8/2001 / 1/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/8/2001 / 1/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/8/2001 / 1/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/8/2001 / 1/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/8/2001 / 1/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010009**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 08-Jan-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	1/8/2001 / 1/8/2001
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	1/8/2001 / 1/8/2001
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	1/8/2001 / 1/8/2001
Chloroform	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	1/8/2001 / 1/8/2001
Chloromethane	< 0.49	**ug/l**	0.49	1.6	1		8260	qh	1/8/2001 / 1/8/2001
cis-1,2-Dichloroethene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
cis-1,3-Dichloropropene	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Dibromochloromethane	< 0.41	**ug/l**	0.41	1.3	1		8260	qh	1/8/2001 / 1/8/2001
Dibromomethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	1/8/2001 / 1/8/2001
Dichlorodifluoromethane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	1/8/2001 / 1/8/2001
Ethylbenzene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
Hexachlorobutadiene	< 0.42	**ug/l**	0.42	1.3	1		8260	qh	1/8/2001 / 1/8/2001
Isopropyl Ether	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
Isopropylbenzene	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	1/8/2001 / 1/8/2001
m&p-xylene	< 0.53	**ug/l**	0.53	1.7	1		8260	qh	1/8/2001 / 1/8/2001
Methyl-t-butyl ether	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	1/8/2001 / 1/8/2001
Methylene chloride	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
n-Butylbenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	1/8/2001 / 1/8/2001
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	qh	1/8/2001 / 1/8/2001
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	1/8/2001 / 1/8/2001
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	1/8/2001 / 1/8/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	1/8/2001 / 1/8/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	1/8/2001 / 1/8/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	1/8/2001 / 1/8/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	1/8/2001 / 1/8/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/8/2001 / 1/8/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	1/8/2001 / 1/8/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	1/8/2001 / 1/8/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010009**
DATE REPORTED:	06-Feb-01
DATE RECEIVED:	08-Jan-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:** 2.15.01

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.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 22736 Matrix: GW
Client ID: **010119 WAO1P**
Collection: 1/19/2001 Time: 08:28
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		5.6	18	206.2		1/23/2001	996193	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	tm	1/26/2001	996222	
Cadmium - Furnace AA	<0.4	ug/l	ttr	0.4	1.3	213.2	jz	1/19/2001	996172	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	1/26/2001	996222	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	1/26/2001	996222	
Iron - ICAP	0.97	mg/l	RJ	0.081	0.26	200.7	tm	1/26/2001	996222	
Lead - Furnace AA	<1.5	ug/l	rj	1.5	4.8	239.2	mw	1/22/2001	996174	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	tm	1/26/2001	996222	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	bb mw	1/22/2001	996177	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	tm	1/26/2001	996222	
Selenium - Furnace AA	20	ug/l	rj	4.8	15	270.2	jz	1/25/2001	996201	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	1/26/2001	996222	
Thallium - Furnace AA	<1.3	ug/l	rj	1.3	4.1	279.2	jz	1/23/2001	996185	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	tm	1/26/2001	996222	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	test a	1/25/2001	996208	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	tm	2/5/2001	996282	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	tm	2/5/2001	996281	
pH (water)	6.7	s.u.	#			150.1	ogtp	1/19/2001	996171	

Sample Number: 22737 Matrix: GW
Client ID: **010119 WAO9R**
Collection: 1/19/2001 Time: 08:44
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	bb	1/23/2001	996193	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	tm	1/26/2001	996222	
Cadmium - Furnace AA	<0.4	ug/l	ttr	0.4	1.3	213.2	jz	1/19/2001	996172	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	1/26/2001	996222	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	1/26/2001	996222	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	tm	1/26/2001	996222	
Lead - Furnace AA	<1.5	ug/l	rj	1.5	4.8	239.2	mw	1/22/2001	996174	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	1/26/2001	996222	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	bb mw	1/22/2001	996177	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	tm	1/26/2001	996222	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-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
Selenium - Furnace AA	**<4.8**	**ug/l**	**rj**	4.8	15	270.2	jz	1/25/2001	*996201*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	1/26/2001	*996222*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**rj**	1.3	4.1	279.2	jz	1/23/2001	*996185*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	1/26/2001	*996222*	
Sample Number: 22738 Matrix: GW										
Client ID: **010119 WAO2P**								Collection: 1/19/2001		Time: 08:46
								Sample Description:		
pH (water)	**9.6**	**s.u.**	**#**			150.1	ogtp	1/19/2001	*996171*	
Sample Number: 22739 Matrix: GW										
Client ID: **010119 WAO3P**								Collection: 1/19/2001		Time: 08:48
								Sample Description:		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	1/19/2001	*996171*	
Sample Number: 22740 Matrix: GW										
Client ID: **010119 WAO5P**								Collection: 1/19/2001		Time: 08:32
								Sample Description:		
pH (water)	**7.7**	**s.u.**	**#**			150.1	ogtp	1/19/2001	*996171*	
Sample Number: 22743 Matrix: GW										
Client ID: **010119 WAO9P**								Collection: 1/19/2001		Time: 08:40
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	test a	1/25/2001	*996208*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/5/2001	*996282*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/5/2001	*996281*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	ogtp	1/19/2001	*996171*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010035**
DATE REPORTED:	06-Feb-01
DATE RECEIVED:	19-Jan-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:** 2/5/01

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.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-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: 22736 QC Prep Batch Number: 996247 Collection: 1/19/2001 Time: 08:28
Client ID: 010119 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	1/31/2001 / 1/31/2001
1,1,1-Trichloroethane	117	ug/l	1.6	4.9	5		8260	qh	1/31/2001 / 1/31/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/31/2001 / 1/31/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethane	29	ug/l	1.6	5.1	5		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/31/2001 / 1/31/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	1/31/2001 / 1/31/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/31/2001 / 1/31/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/31/2001 / 1/31/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/31/2001 / 1/31/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/31/2001 / 1/31/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/31/2001 / 1/31/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/31/2001 / 1/31/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	1/31/2001 / 1/31/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	1/31/2001 / 1/31/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/31/2001 / 1/31/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/31/2001 / 1/31/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	1/31/2001 / 1/31/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	1/31/2001 / 1/31/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/31/2001 / 1/31/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/31/2001 / 1/31/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/31/2001 / 1/31/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	1/31/2001 / 1/31/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/31/2001 / 1/31/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	1/31/2001 / 1/31/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/31/2001 / 1/31/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/31/2001 / 1/31/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	1/31/2001 / 1/31/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/31/2001 / 1/31/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	1/31/2001 / 1/31/2001
cis-1,2-Dichloroethene	44	ug/l	1.4	4.3	5		8260	qh	1/31/2001 / 1/31/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/31/2001 / 1/31/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	1/31/2001 / 1/31/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-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	1/31/2001 / 1/31/2001
Dichlorodifluoromethane	< 1.4	**ug/l**	1.4	4.3	5		8260	qh	1/31/2001 / 1/31/2001
Ethylbenzene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	1/31/2001 / 1/31/2001
Hexachlorobutadiene	< 2.1	**ug/l**	2.1	6.7	5		8260	qh	1/31/2001 / 1/31/2001
Isopropyl Ether	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	1/31/2001 / 1/31/2001
Isopropylbenzene	< 1.7	**ug/l**	1.7	5.2	5		8260	qh	1/31/2001 / 1/31/2001
m&p-xylene	< 2.7	**ug/l**	2.7	8.4	5		8260	qh	1/31/2001 / 1/31/2001
Methyl-t-butyl ether	< 2.0	**ug/l**	2.0	6.2	5		8260	qh	1/31/2001 / 1/31/2001
Methylene chloride	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	1/31/2001 / 1/31/2001
n-Butylbenzene	< 1.8	**ug/l**	1.8	5.7	5		8260	qh	1/31/2001 / 1/31/2001
n-Propylbenzene	< 1.4	**ug/l**	1.4	4.5	5		8260	qh	1/31/2001 / 1/31/2001
Naphthalene	< 3.8	**ug/l**	3.8	12	5		8260	qh	1/31/2001 / 1/31/2001
o-xylene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	1/31/2001 / 1/31/2001
p-Isopropyltoluene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	1/31/2001 / 1/31/2001
sec-Butylbenzene	< 1.7	**ug/l**	1.7	5.4	5		8260	qh	1/31/2001 / 1/31/2001
Styrene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	1/31/2001 / 1/31/2001
tert-Butylbenzene	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	1/31/2001 / 1/31/2001
Tetrachloroethene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	1/31/2001 / 1/31/2001
Toluene	< 1.5	**ug/l**	1.5	4.6	5		8260	qh	1/31/2001 / 1/31/2001
trans-1,2-Dichloroethene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	1/31/2001 / 1/31/2001
trans-1,3-Dichloropropene	< 1.3	**ug/l**	1.3	4.1	5		8260	qh	1/31/2001 / 1/31/2001
Trichloroethene	444	**ug/l**	1.7	5.4	5		8260	qh	1/31/2001 / 1/31/2001
Trichlorofluoromethane	< 1.2	**ug/l**	1.2	3.8	5		8260	qh	1/31/2001 / 1/31/2001
Vinyl chloride	< 1.0	**ug/l**	1.0	3.2	5		8260	qh	1/31/2001 / 1/31/2001

Sample Number: 22741 QC Prep Batch Number: 996247 Collection: 1/19/2001 Time: 08:34
Client ID: 010119 WAO7P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	1/31/2001 / 1/31/2001
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	1/31/2001 / 1/31/2001
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-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	1/31/2001 / 1/31/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/31/2001 / 1/31/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/31/2001 / 1/31/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/31/2001 / 1/31/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/31/2001 / 1/31/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/31/2001 / 1/31/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/31/2001 / 1/31/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/31/2001 / 1/31/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/31/2001 / 1/31/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/31/2001 / 1/31/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/31/2001 / 1/31/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/31/2001 / 1/31/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/31/2001 / 1/31/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/31/2001 / 1/31/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/31/2001 / 1/31/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/31/2001 / 1/31/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/31/2001 / 1/31/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/31/2001 / 1/31/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/31/2001 / 1/31/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/31/2001 / 1/31/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-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	1/31/2001 / 1/31/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/31/2001 / 1/31/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/31/2001 / 1/31/2001

Sample Number: 22742 QC Prep Batch Number: 996247 Collection: 1/19/2001 Time: 08:36
Client ID: 010119 WAO8P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/31/2001 / 1/31/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/31/2001 / 1/31/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/31/2001 / 1/31/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/31/2001 / 1/31/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/31/2001 / 1/31/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/31/2001 / 1/31/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/31/2001 / 1/31/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/31/2001 / 1/31/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/31/2001 / 1/31/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/31/2001 / 1/31/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-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	1/31/2001 / 1/31/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/31/2001 / 1/31/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/31/2001 / 1/31/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/31/2001 / 1/31/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/31/2001 / 1/31/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/31/2001 / 1/31/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/31/2001 / 1/31/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/31/2001 / 1/31/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/31/2001 / 1/31/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/31/2001 / 1/31/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/31/2001 / 1/31/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/31/2001 / 1/31/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/31/2001 / 1/31/2001

Sample Number: 22743 QC Prep Batch Number: 996247 Collection: 1/19/2001 Time: 08:40
Client ID: 010119 WAO9P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/31/2001 / 1/31/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-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	1/31/2001 / 1/31/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/31/2001 / 1/31/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/31/2001 / 1/31/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/31/2001 / 1/31/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/31/2001 / 1/31/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/31/2001 / 1/31/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/31/2001 / 1/31/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/31/2001 / 1/31/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/31/2001 / 1/31/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/31/2001 / 1/31/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/31/2001 / 1/31/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/31/2001 / 1/31/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/31/2001 / 1/31/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/31/2001 / 1/31/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/31/2001 / 1/31/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/31/2001 / 1/31/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/31/2001 / 1/31/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/31/2001 / 1/31/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/31/2001 / 1/31/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/31/2001 / 1/31/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-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	1/31/2001 / 1/31/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/31/2001 / 1/31/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/31/2001 / 1/31/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/31/2001 / 1/31/2001

Sample Number: 22744 QC Prep Batch Number: 996247 Collection: 1/19/2001 Time:
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/31/2001 / 1/31/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/31/2001 / 1/31/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/31/2001 / 1/31/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/31/2001 / 1/31/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/31/2001 / 1/31/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/31/2001 / 1/31/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/31/2001 / 1/31/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/31/2001 / 1/31/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/31/2001 / 1/31/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/31/2001 / 1/31/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/31/2001 / 1/31/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010035**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 19-Jan-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	1/31/2001 / 1/31/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/31/2001 / 1/31/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/31/2001 / 1/31/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/31/2001 / 1/31/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/31/2001 / 1/31/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/31/2001 / 1/31/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/31/2001 / 1/31/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/31/2001 / 1/31/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/31/2001 / 1/31/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/31/2001 / 1/31/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/31/2001 / 1/31/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/31/2001 / 1/31/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/31/2001 / 1/31/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/31/2001 / 1/31/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/31/2001 / 1/31/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/31/2001 / 1/31/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/31/2001 / 1/31/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/31/2001 / 1/31/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/31/2001 / 1/31/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/31/2001 / 1/31/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/31/2001 / 1/31/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/31/2001 / 1/31/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/31/2001 / 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010035**
DATE REPORTED:	06-Feb-01
DATE RECEIVED:	19-Jan-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

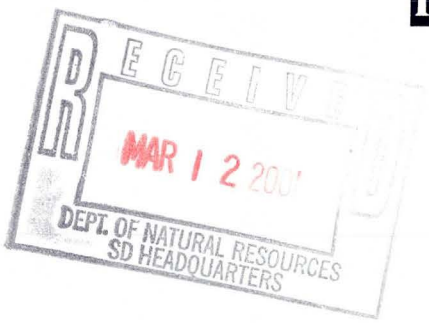
Approved By: _____ **Date:** 2/5/01
James Chang, Ph.D. , Lab Director

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



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

WDNR# 241340550

INVOICE NUMBER **20010041**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 24-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 22759		Matrix: TCLP						Collection: 1/22/2001		Time: 10:20
Client ID: **010122 SC13P**								Sample Description:		
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	1/26/2001	*996223*	
Copper- ICAP	**0.006**	**mg/l**	***J* RJ**	0.006	0.02	200.7	tm	1/26/2001	*996223*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	tm	1/26/2001	*996223*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	1/26/2001	*996223*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	1/26/2001	*996223*	
Cyanide, Reactive	**<0.031**	**mg/l**		0.031	0.10	335.2	tm	2/5/2001	*996294*	
Free Liquids (paint filter test)	**pass**		**#**			9095	mw	1/25/2001	*996200*	
pH (Solids)	**11**	**s.u.**	**#**			9045	mw	1/25/2001	*996203*	
Specific Gravity	**1.1**	**s.u.**	**#**			SM 2710 F	bb	1/25/2001	*996206*	
TCLP extraction	**done**		**#**			1311	bb	1/30/2001	*996239*	

Approved By: _____ **Date:** 2/5/01
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.

APL INC.

INORGANIC REPORT

Dr. James Chang
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WDNR# 241340550

INVOICE NUMBER **20010040**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 24-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Sample Number: 22750 Matrix: GW
Client ID: **010124 WAO1P**
Collection: 1/24/2001 Time: 09:15
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**rj**	5.6	18	206.2	bb	1/23/2001	*996193*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	1/26/2001	*996222*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**ttr**	0.4	1.3	213.2	mw	1/25/2001	*996213*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	1/26/2001	*996222*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/26/2001	*996222*	
Iron - ICAP	**0.97**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	1/26/2001	*996222*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jz	1/26/2001	*996220*	
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/26/2001	*996222*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	bb	1/27/2001	*996237*	
Nickel - ICAP	**0.02**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	1/26/2001	*996222*	
Selenium - Furnace AA	**12**	**ug/l**	***J* rj**	4.8	15	270.2	jz	1/25/2001	*996201*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	1/26/2001	*996222*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**rj**	1.3	4.1	279.2	mw jz	1/26/2001	*996221*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	1/26/2001	*996222*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	1/30/2001	*996257*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/5/2001	*996282*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/5/2001	*996281*	
pH (water)	**6.8**	**s.u.**	**#**			150.1	ogtp	1/25/2001	*996204*	

Sample Number: 22751 Matrix: GW
Client ID: **010124 WAO9R**
Collection: 1/24/2001 Time: 09:29
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	bb	1/23/2001	*996193*	
Barium - ICAP	**0.01**	**mg/l**	***J* RJ**	0.007	0.02	200.7	tm	1/26/2001	*996222*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**ttr**	0.4	1.3	213.2	mw	1/25/2001	*996213*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	1/26/2001	*996222*	
Copper- ICAP	**0.04**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/26/2001	*996222*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	1/26/2001	*996222*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jz	1/26/2001	*996220*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/26/2001	*996222*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	bb	1/27/2001	*996237*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	1/26/2001	*996222*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010040**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 24-Jan-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
Selenium - Furnace AA	**<4.8**	**ug/l**	**rj**	4.8	15	270.2	jz	1/25/2001	*996201*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	1/26/2001	*996222*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**rj**	1.3	4.1	279.2	mw jz	1/26/2001	*996221*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	1/26/2001	*996222*	
Sample Number: 22752		Matrix: GW						Collection: 1/24/2001		Time: 09:18
Client ID: **010124 WAO2P**								Sample Description:		
pH (water)	**9.5**	**s.u.**	**#**			150.1	ogtp	1/25/2001	*996204*	
Sample Number: 22753		Matrix: GW						Collection: 1/24/2001		Time: 09:20
Client ID: **010124 WAO3P**								Sample Description:		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	1/25/2001	*996204*	
Sample Number: 22754		Matrix: GW						Collection: 1/24/2001		Time: 09:22
Client ID: **010124 WAO5P**								Sample Description:		
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	1/25/2001	*996204*	
Sample Number: 22757		Matrix: GW						Collection: 1/24/2001		Time: 09:24
Client ID: **010124 WAO9P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	1/30/2001	*996257*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/5/2001	*996282*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/5/2001	*996281*	
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	1/25/2001	*996204*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010040**
DATE REPORTED:	06-Feb-01
DATE RECEIVED:	24-Jan-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:** 2/5/01

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: **20010040**
DATE REPORTED: 01-Feb-01
DATE RECEIVED: 24-Jan-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: 22750 QC Prep Batch Number: 996247 Collection: 1/24/2001 Time: 09:15
Client ID: 010124 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	/ 1/31/2001
1,1,1-Trichloroethane	114	ug/l	1.6	4.9	5		8260	qh	/ 1/31/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 1/31/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 1/31/2001
1,1-Dichloroethane	27	ug/l	1.6	5.1	5		8260	qh	/ 1/31/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/31/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 1/31/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 1/31/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 1/31/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 1/31/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/31/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 1/31/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/31/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 1/31/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 1/31/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/31/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/31/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 1/31/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 1/31/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 1/31/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/31/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 1/31/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 1/31/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/31/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/31/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 1/31/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 1/31/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/31/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 1/31/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 1/31/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 1/31/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 1/31/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 1/31/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/31/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/31/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 1/31/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 1/31/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 1/31/2001
cis-1,2-Dichloroethene	42	ug/l	1.4	4.3	5		8260	qh	/ 1/31/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 1/31/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010040**
DATE REPORTED: 01-Feb-01
DATE RECEIVED: 24-Jan-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	/ 1/31/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/31/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/31/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 1/31/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/31/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 1/31/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 1/31/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 1/31/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/31/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 1/31/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 1/31/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 1/31/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/31/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 1/31/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/31/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/31/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/31/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 1/31/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 1/31/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/31/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/31/2001
Trichloroethene	444	ug/l	1.7	5.4	5		8260	qh	/ 1/31/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 1/31/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	/ 1/31/2001

Sample Number: 22755 QC Prep Batch Number: 996247 Collection: 1/24/2001 Time: 09:31
Client ID: 010124WAO7P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 1/31/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/31/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/31/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/31/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 1/31/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 1/31/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 1/31/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 1/31/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/31/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 1/31/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/31/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010040**
DATE REPORTED: 01-Feb-01
DATE RECEIVED: 24-Jan-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	/ 1/31/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/31/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/31/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 1/31/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 1/31/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 1/31/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 1/31/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/31/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 1/31/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 1/31/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 1/31/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/31/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 1/31/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/31/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 1/31/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/31/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 1/31/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/31/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 1/31/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/31/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 1/31/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 1/31/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 1/31/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010040**
DATE REPORTED: 01-Feb-01
DATE RECEIVED: 24-Jan-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	/ 1/31/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/31/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 1/31/2001

Sample Number: 22756 QC Prep Batch Number: 996247 Collection: 1/24/2001 Time: 09:33
Client ID: 010124 WAO8P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 1/31/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/31/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/31/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/31/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 1/31/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 1/31/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 1/31/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 1/31/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/31/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 1/31/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/31/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/31/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/31/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 1/31/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 1/31/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 1/31/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 1/31/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/31/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 1/31/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 1/31/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010040**
DATE REPORTED: 01-Feb-01
DATE RECEIVED: 24-Jan-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	/ 1/31/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 1/31/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/31/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 1/31/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/31/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 1/31/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/31/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 1/31/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/31/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 1/31/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 1/31/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 1/31/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/31/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 1/31/2001

Sample Number: 22757 QC Prep Batch Number: 996247 Collection: 1/24/2001 Time: 09:24
Client ID: 010124 WAO9P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 1/31/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/31/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/31/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/31/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 1/31/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 1/31/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 1/31/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 1/31/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010040**
DATE REPORTED: 01-Feb-01
DATE RECEIVED: 24-Jan-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	/ 1/31/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 1/31/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/31/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/31/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/31/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 1/31/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 1/31/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 1/31/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 1/31/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/31/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 1/31/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 1/31/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 1/31/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/31/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 1/31/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/31/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 1/31/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/31/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 1/31/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/31/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 1/31/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/31/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 1/31/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 1/31/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010040**
DATE REPORTED: 01-Feb-01
DATE RECEIVED: 24-Jan-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	/ 1/31/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 1/31/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/31/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 1/31/2001

Sample Number: 22758 QC Prep Batch Number: 996247 Collection: 1/24/2001 Time: 09:29
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 1/31/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/31/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/31/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/31/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 1/31/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 1/31/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 1/31/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 1/31/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/31/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 1/31/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/31/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/31/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/31/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 1/31/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 1/31/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 1/31/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 1/31/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/31/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 1/31/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010040**
DATE REPORTED: 01-Feb-01
DATE RECEIVED: 24-Jan-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	/ 1/31/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 1/31/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 1/31/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/31/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 1/31/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/31/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 1/31/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/31/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/31/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 1/31/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/31/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 1/31/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/31/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/31/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 1/31/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 1/31/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/31/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/31/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 1/31/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/31/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/31/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/31/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/31/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 1/31/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010040**
DATE REPORTED:	01-Feb-01
DATE RECEIVED:	24-Jan-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:** ____/____/____

James Chang, Ph.D. , Lab Director

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010035**
DATE REPORTED: 01-Feb-01
DATE RECEIVED: 19-Jan-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	/ 1/31/2001
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	/ 1/31/2001
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 1/31/2001
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 1/31/2001
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	/ 1/31/2001
Chloroform	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 1/31/2001
Chloromethane	< 0.49	**ug/l**	0.49	1.6	1		8260	qh	/ 1/31/2001
cis-1,2-Dichloroethene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 1/31/2001
cis-1,3-Dichloropropene	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	/ 1/31/2001
Dibromochloromethane	< 0.41	**ug/l**	0.41	1.3	1		8260	qh	/ 1/31/2001
Dibromomethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	/ 1/31/2001
Dichlorodifluoromethane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 1/31/2001
Ethylbenzene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 1/31/2001
Hexachlorobutadiene	< 0.42	**ug/l**	0.42	1.3	1		8260	qh	/ 1/31/2001
Isopropyl Ether	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 1/31/2001
Isopropylbenzene	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	/ 1/31/2001
m&p-xylene	< 0.53	**ug/l**	0.53	1.7	1		8260	qh	/ 1/31/2001
Methyl-t-butyl ether	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	/ 1/31/2001
Methylene chloride	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 1/31/2001
n-Butylbenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	/ 1/31/2001
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	qh	/ 1/31/2001
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	/ 1/31/2001
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 1/31/2001
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 1/31/2001
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 1/31/2001
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 1/31/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 1/31/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 1/31/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	/ 1/31/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 1/31/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 1/31/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 1/31/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 1/31/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	/ 1/31/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010035**
DATE REPORTED:	01-Feb-01
DATE RECEIVED:	19-Jan-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:** 2/5/01

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.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Sample Number: 22806 Matrix: GW
Client ID: **010129 WAO1P**
Collection: 1/29/2001 Time: 09:20
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	b	2/7/2001	996312	
Barium - ICAP	0.12	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	0.01	mg/l	J 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	1	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	0.2	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	1/27/2001	996237	
Nickel - ICAP	0.04	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	0.05	mg/l	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	1/30/2001	996257	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	tm	2/5/2001	996282	
Cyanide, Total	0.01	mg/l	J	0.006	0.02	335.2	tm	2/5/2001	996281	
pH (water)	6.8	s.u.	#			150.1	ogtp	1/30/2001	996235	

Sample Number: 22807 Matrix: GW
Client ID: **010129 WAO9R**
Collection: 1/29/2001 Time: 09:26
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	b	2/7/2001	996312	
Barium - ICAP	0.007	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	
~ CV	<0.0002	mg/l		0.0002	0.0006	245.1	bb	1/27/2001	996237	
	0.02	mg/l	J RJ	0.011	0.03	200.7	tm	2/7/2001	996329	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-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
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	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	tm	2/7/2001	*996329*	
Sample Number: 22808		Matrix: GW						Collection: 1/29/2001		Time: 09:28
Client ID: **010129 WAO2P**								Sample Description:		
pH (water)	**9.6**	**s.u.**	**#**			150.1	ogtp	1/30/2001	*996235*	
Sample Number: 22809		Matrix: GW						Collection: 1/29/2001		Time: 09:30
Client ID: **010129 WAO3P**								Sample Description:		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	1/30/2001	*996235*	
Sample Number: 22810		Matrix: GW						Collection: 1/29/2001		Time: 09:33
Client ID: **010129 WAO5P**								Sample Description:		
pH (water)	**7.7**	**s.u.**	**#**			150.1	ogtp	1/30/2001	*996235*	
Sample Number: 22813		Matrix: GW						Collection: 1/29/2001		Time: 09:23
Client ID: **010129 WAO9P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	1/30/2001	*996257*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	2/5/2001	*996282*	
Cyanide, Total	**<0.008**	**mg/l**		0.006	0.02	335.2	tm	2/5/2001	*996281*	
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	1/30/2001	*996235*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010050**
DATE REPORTED:	13-Feb-01
DATE RECEIVED:	29-Jan-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.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-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: 22806 QC Prep Batch Number: 996308 Collection: 1/29/2001 Time: 09:20
Client ID: 010129 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	2/1/2001 / 2/1/2001
1,1,1-Trichloroethane	125	ug/l	1.6	4.9	5		8260	qh	2/1/2001 / 2/1/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/1/2001 / 2/1/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/1/2001 / 2/1/2001
1,1-Dichloroethane	29	ug/l	1.6	5.1	5		8260	qh	2/1/2001 / 2/1/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/1/2001 / 2/1/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	2/1/2001 / 2/1/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	2/1/2001 / 2/1/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	2/1/2001 / 2/1/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	2/1/2001 / 2/1/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/1/2001 / 2/1/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	2/1/2001 / 2/1/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/1/2001 / 2/1/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	2/1/2001 / 2/1/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	2/1/2001 / 2/1/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/1/2001 / 2/1/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/1/2001 / 2/1/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/1/2001 / 2/1/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2/1/2001 / 2/1/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	2/1/2001 / 2/1/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/1/2001 / 2/1/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	2/1/2001 / 2/1/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	2/1/2001 / 2/1/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/1/2001 / 2/1/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/1/2001 / 2/1/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	2/1/2001 / 2/1/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	2/1/2001 / 2/1/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/1/2001 / 2/1/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/1/2001 / 2/1/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/1/2001 / 2/1/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	2/1/2001 / 2/1/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/1/2001 / 2/1/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	2/1/2001 / 2/1/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/1/2001 / 2/1/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/1/2001 / 2/1/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	2/1/2001 / 2/1/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	2/1/2001 / 2/1/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	2/1/2001 / 2/1/2001
cis-1,2-Dichloroethene	41	ug/l	1.4	4.3	5		8260	qh	2/1/2001 / 2/1/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/1/2001 / 2/1/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	2/1/2001 / 2/1/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-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	2/1/2001 / 2/1/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/1/2001 / 2/1/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/1/2001 / 2/1/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	2/1/2001 / 2/1/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/1/2001 / 2/1/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	2/1/2001 / 2/1/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	2/1/2001 / 2/1/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/1/2001 / 2/1/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/1/2001 / 2/1/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2/1/2001 / 2/1/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	2/1/2001 / 2/1/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	2/1/2001 / 2/1/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/1/2001 / 2/1/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/1/2001 / 2/1/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/1/2001 / 2/1/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/1/2001 / 2/1/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/1/2001 / 2/1/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/1/2001 / 2/1/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	2/1/2001 / 2/1/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/1/2001 / 2/1/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/1/2001 / 2/1/2001
Trichloroethene	452	ug/l	1.7	5.4	5		8260	qh	2/1/2001 / 2/1/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	2/1/2001 / 2/1/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	2/1/2001 / 2/1/2001

Sample Number: 22811 QC Prep Batch Number: 996308 Collection: 1/29/2001 Time: 09:35
Client ID: 010129 WAO7P Sample Description:

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-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	2/1/2001 / 2/1/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/1/2001 / 2/1/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/1/2001 / 2/1/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/1/2001 / 2/1/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/1/2001 / 2/1/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/1/2001 / 2/1/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/1/2001 / 2/1/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/1/2001 / 2/1/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/1/2001 / 2/1/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/1/2001 / 2/1/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/1/2001 / 2/1/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/1/2001 / 2/1/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/1/2001 / 2/1/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/1/2001 / 2/1/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/1/2001 / 2/1/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/1/2001 / 2/1/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/1/2001 / 2/1/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/1/2001 / 2/1/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/1/2001 / 2/1/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/1/2001 / 2/1/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/1/2001 / 2/1/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/1/2001 / 2/1/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/1/2001 / 2/1/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/1/2001 / 2/1/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-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	2/1/2001 / 2/1/2001
Trichloroethene	0.93	ug/l	0.34	1.1	1	J	8260	qh	2/1/2001 / 2/1/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/1/2001 / 2/1/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/1/2001 / 2/1/2001

Sample Number: 22812 QC Prep Batch Number: 996308 Collection: 1/29/2001 Time: 09:38
Client ID: 010129 WAO8P Sample Description:

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-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	2/1/2001 / 2/1/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/1/2001 / 2/1/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/1/2001 / 2/1/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/1/2001 / 2/1/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/1/2001 / 2/1/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/1/2001 / 2/1/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/1/2001 / 2/1/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/1/2001 / 2/1/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/1/2001 / 2/1/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/1/2001 / 2/1/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/1/2001 / 2/1/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/1/2001 / 2/1/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/1/2001 / 2/1/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/1/2001 / 2/1/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/1/2001 / 2/1/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/1/2001 / 2/1/2001

Sample Number: 22813
Client ID: 010129 WAO9P

QC Prep Batch Number: 996308

Collection: 1/29/2001 Time: 09:23
Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-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	2/1/2001 / 2/1/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/1/2001 / 2/1/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/1/2001 / 2/1/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/1/2001 / 2/1/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/1/2001 / 2/1/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/1/2001 / 2/1/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/1/2001 / 2/1/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/1/2001 / 2/1/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/1/2001 / 2/1/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/1/2001 / 2/1/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/1/2001 / 2/1/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/1/2001 / 2/1/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/1/2001 / 2/1/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/1/2001 / 2/1/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/1/2001 / 2/1/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/1/2001 / 2/1/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/1/2001 / 2/1/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/1/2001 / 2/1/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/1/2001 / 2/1/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/1/2001 / 2/1/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/1/2001 / 2/1/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/1/2001 / 2/1/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/1/2001 / 2/1/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/1/2001 / 2/1/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/1/2001 / 2/1/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/1/2001 / 2/1/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/1/2001 / 2/1/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/1/2001 / 2/1/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-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	2/1/2001 / 2/1/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/1/2001 / 2/1/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/1/2001 / 2/1/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/1/2001 / 2/1/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/1/2001 / 2/1/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/1/2001 / 2/1/2001

Sample Number: 22814 QC Prep Batch Number: 996308 Collection: 1/29/2001 Time: 09:26
Client ID: Blank Sample Description:

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010050**
DATE REPORTED: 13-Feb-01
DATE RECEIVED: 29-Jan-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	2/1/2001 / 2/1/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/1/2001 / 2/1/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/1/2001 / 2/1/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/1/2001 / 2/1/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/1/2001 / 2/1/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/1/2001 / 2/1/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/1/2001 / 2/1/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/1/2001 / 2/1/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/1/2001 / 2/1/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/1/2001 / 2/1/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/1/2001 / 2/1/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/1/2001 / 2/1/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/1/2001 / 2/1/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/1/2001 / 2/1/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/1/2001 / 2/1/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/1/2001 / 2/1/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/1/2001 / 2/1/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/1/2001 / 2/1/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/1/2001 / 2/1/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/1/2001 / 2/1/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/1/2001 / 2/1/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/1/2001 / 2/1/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/1/2001 / 2/1/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/1/2001 / 2/1/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/1/2001 / 2/1/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010050**
DATE REPORTED:	13-Feb-01
DATE RECEIVED:	29-Jan-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.