MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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8222 West Calumet Road
Milwaukee, WI 53223

August 15, 2001

For July

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for July, 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, or ogtp@netwurx.net. 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.

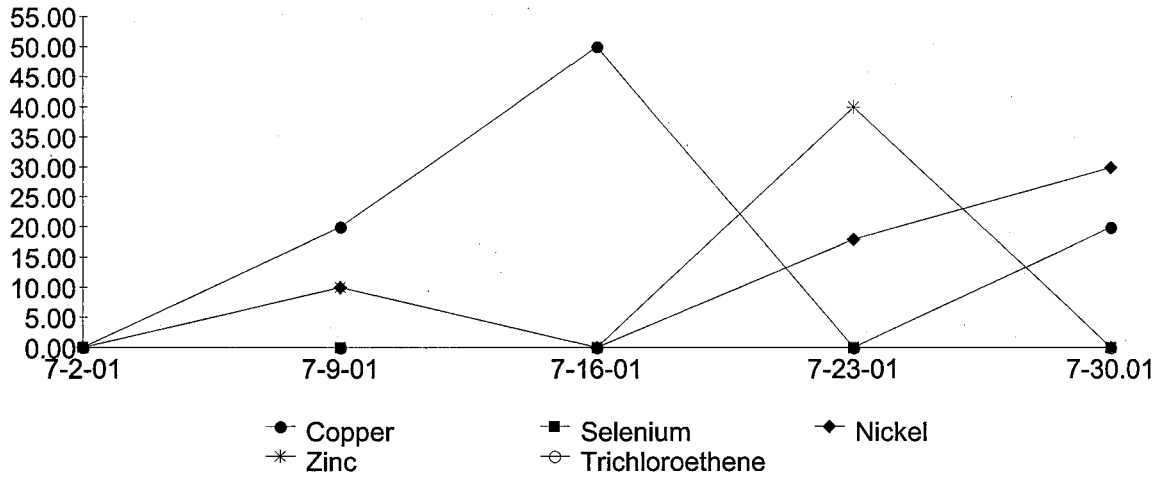
1.3 Effluent Monitoring

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



1.5 Monitoring Well Sampling

A partial round of Monitoring Well sampling was conducted on July 17, 18, 19, 23 to 26. The Monitoring Well sampling is conducted on a quarterly basis but more Monitoring Wells and analyses were included in this round. Some of the results of the Monitoring Wells' analyses are enclosed with this report. The rest of the results will be submitted with the August 2001 report due to the time frame needed to complete the sampling.

Some of the Monitoring Wells that the operators were requested to sample were determined to be problematic. The following Monitor Wells (MW-02S, MW-03S, MW-05S, & MW-06) were too dry to sample. Monitoring Well # 11B was always buried, but has recently been discovered. The operators are waiting on a decision to be made whether to rehabilitate it or abandon it properly. Monitor Well # 01D is very slow in refilling after it has been emptied of liquid. Monitoring Well # 04D has a rope coming out of it (a bailer may be stuck in it or the casing may be damaged--a lot of large grained dirt was removed from it during bailing) and it is very slow in refilling after it has been emptied of liquid. The following Monitor Wells (MW-05D, MW-03D, MW-12B, & MW-09S) are slow in refilling but can be completed in a timely matter. Monitoring Well # 03D, also, has a lot of large grained dirt that was removed from it during bailing that prevents the bailer from sealing properly. New bailers were needed to complete the MW-03D sampling. These Monitoring Well issues were brought to the attention of Paul Kozol from the WDNR. Mr. Kozol stated that these Monitoring Wells will be inspected during the Plume Investigation Study that is scheduled for the near future.

2.0 Plant Permit Exceedences

Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Nickel from the July 30 sampling. The July 30 result of Nickel was 30 ug/l. The permit limit for Nickel is 20 ug/l. A request to rerun the samples was made and Paul Kozol, Project Manager from the WDNR, was notified about the exceedence. After re-running the sample, the Nickel result was 42 ug/l. Mr. Kozol allowed the treatment plant to continue operating based on the results of the August 6 sampling. The August 6 sampling result of Nickel was "Less than the Level of Detection." Mr. Kozol stated that the operators were to watch for any trends in Nickel and if any were noticed that a more thorough investigation would be made to discover the source of Nickel.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down three times for a total of 13.58 hours in July, 2001. The shut downs were due to clean RMT-301 and FT-311, to Install a pH probe in the NPDES Station, and from the Failure of TFP-111. Table 1 shows the summary of the plant down times for the month of July, 2001.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
7-6-01	1	Shut Down to Clean RMT-301 & FT-311
7-16-01	0.25	Shut Down to Install NPDES pH Probe
7-24-01	12.33	Shut Down from TFP-111 Failure
TOTAL	**13.58**	

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

On July 6, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-120). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer were cleaned in RMT-301 and the walls, mixer, and floor were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-120 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Also, addressed during the shut down was repairing the broken probe holder for PHIC-503, fixing a leak on SHP-361B, and changing the gear oil on FTM-312. Total down time was 1 hour. APL Inc., WDNR, and USACE were notified.

3.2 Shut Down to Install a pH Probe in the NPDES Station

On July 16, the treatment plant was shut down and the old pH probe was removed from the NPDES Monitoring Station. The old probe was removed from it's insertion holder and the new probe was installed. The new pH probe was wired in to the NPDES monitoring station and calibrated. The pH probe was tested and the monitoring station was functioning normally. The treatment plant was re-started. Total down time was 0.25 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

3.2 Shut Down from TFP-111 Failure

On July 25, upon the arrival of the operator, it was discovered that the treatment plant was shut down. After an inspection, it was determined that the shut down was caused from the failure of the Treatment System Feed Pump (TFP-111). The failure was caused from excessive hardness/build-up on the impeller that seized it to the pump housing. TFP-111 was isolated and the stand-by Treatment System Feed Pump (TFP-110) was put on line and the treatment system was restarted. The wet end of TFP-111 was acid cleaned, lubricated, reinstalled, tested, and put back into the lead position. The failure occurred at 4:20 P.M. on July 24 and the system was restarted at 4:40 A.M. on July 25. Total down time was 12.33 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 4 times during the month of July, 2001. It was filled and emptied on July 5, 17, 18, and 30. The dewatered sludge is sampled 1 time during the 90 day period since the first opening of the press for the new hopper. We have 90 days after the first opening of the press and dumping into the new hopper to have it removed from the site. The sludge was sampled on January 22. A new hopper was set up on June 13, 2001. The first filter press load of dewatered sludge that was added to the new hopper occurred on June 15. The dewatered sludge hopper removal date is September 12. There are 7 filter press loads of dewatered sludge in the new hopper at the end of July, 2001.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on July 5, 12, 19, and 26 of 2001. A partial round of Monitoring Wells' sampling was conducted in July, 2001. The laboratory results of these samples showed that Nickel exceeded the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of July, 2001, the plant was shut down three times for a total of 13.58 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 August 15, 2001.

The Filter Press was filled and emptied 4 times during the month of July, 2001. A new hopper was set up on June 13. The hopper has 7 Filter Press fillings in it at the end of July, 2001.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL				Date:	(ug/l) July 2001	
Parameter	MW01DP	MW02SP	MW03DP	MW04DP	MW09SP	
pH	7.86	DRY	6.89	7.27	6.63	
Conductivity	521	NT	789	854	660	uMHOS/CM
Arsenic	NT	NT	<5.6/<5.6	NT	<5.6/<5.6	
Barium	NT	NT	80/70	NT	200/190	
Cadmium	NT	NT	<0.4/<0.4	NT	<0.4/<0.4	
Cadmium Total Recoverable	NT	NT	<0.4/<0.4	NT	<0.4/<0.4	
Chromium +6	NT	NT	<4.2	NT	<4.2	
Chromium Total	NT	NT	<8/<8	NT	<8/<8	
Copper	NT	NT	<6/<6	NT	<6/10	
Iron	NT	NT	2900/<81	NT	7100/<81	
Lead	NT	NT	<1.5/<1.5	NT	<1.5/<1.5	
Manganese	NT	NT	60/30	NT	220/110	
Mercury	NT	NT	<0.2/<0.02	NT	<0.2/<0.02	
Nickel	NT	NT	10/<11	NT	20/<11	
Selenium	NT	NT	<4.8/<4.8	NT	<4.8/<4.8	
Silver	NT	NT	<4/<4	NT	<4/<4	
Thallium	NT	NT	<1.3/<1.3	NT	<1.3/<1.3	
Zinc	NT	NT	60/<14	NT	40/<14	
Cyanide	NT	NT	<6	NT	<6	
Cyanide Free	NT	NT	<6	NT	<6	
1,1-Dichloroethane	NT	NT	<0.32	NT	<0.32	
1,2-Dichloroethane	NT	NT	<0.35	NT	<0.35	
1,1-Dichloroethene	NT	NT	<0.34	NT	<0.34	
1,2-Dichloroethene Cis	NT	NT	<0.27	NT	<0.27	
1,2-Dichloroethene Trans	NT	NT	<0.25	NT	<0.25	
Ethylbenzene	NT	NT	<0.25	NT	<0.25	
Methylene Chloride	NT	NT	<0.3	NT	<0.3	
Tetrachloroethene	NT	NT	<0.31	NT	<0.31	
Toluene	NT	NT	<0.29	NT	<0.29	
1,1,1-Trichloroethane	NT	NT	<0.31	NT	<0.31	
1,1,2-Trichloroethane	NT	NT	<0.44	NT	<0.44	
TCE	NT	NT	<0.34	NT	<0.34	
Vinyl Chloride	NT	NT	<0.2	NT	<0.2	
Xylene Total	NT	NT	<0.53	NT	<0.53	
Temperature (C)	16.3	NT	13.7	13	15.4	

MW01DP, MW02SP, & MW04DP Were Too Dry To Sample.

Second Metals result was from a filtered sample. Due to miscommunications, the Metals were sampled on different days. The Metals were resampled during the first week of August and will be included next month.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) July 2001	
Parameter	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP	
pH	6.79	DRY	DRY	6.93	DRY	COVERED	
Conductivity	887	NT	NT	903	NT	NT	uMHOS/CM
Arsenic	<5.6/<5.6	NT	NT	<5.6/<5.6	NT	NT	
Barium	90/80	NT	NT	110/80	NT	NT	
Cadmium	<0.4/<0.4	NT	NT	<0.4/0.73	NT	NT	
Cadmium Total Recoverable	<0.4/<0.4	NT	NT	<0.4/<0.4	NT	NT	
Chromium +6	<4.2	NT	NT	<4.2	NT	NT	
Chromium Total	10/<8	NT	NT	20/<8	NT	NT	
Copper	<6/<6	NT	NT	<6/<6	NT	NT	
Iron	4300/180	NT	NT	6600/<81	NT	NT	
Lead	<1.5/<1.5	NT	NT	<1.5/<1.5	NT	NT	
Manganese	40/30	NT	NT	140/70	NT	NT	
Mercury	<0.2/<0.02	NT	NT	<0.2/<0.02	NT	NT	
Nickel	50/<11	NT	NT	20/<11	NT	NT	
Selenium	<4.8/<4.8	NT	NT	<4.8/<4.8	NT	NT	
Silver	<4/<4	NT	NT	<4/<4	NT	NT	
Thallium	<1.3/<1.3	NT	NT	<1.3/<1.3	NT	NT	
Zinc	20/<14	NT	NT	30/<14	NT	NT	
Cyanide	<6	NT	NT	<6	NT	NT	
Cyanide Free	<6	NT	NT	<6	NT	NT	
1,1-Dichloroethane	<0.32	NT	NT	28	NT	NT	
1,2-Dichloroethane	<0.35	NT	NT	<1.8	NT	NT	
1,1-Dichloroethene	<0.34	NT	NT	5.3	NT	NT	
1,2-Dichloroethene Cis	<0.27	NT	NT	80	NT	NT	
1,2-Dichloroethene Trans	<0.25	NT	NT	10	NT	NT	
Ethylbenzene	<0.25	NT	NT	<1.3	NT	NT	
Methylene Chloride	<0.3	NT	NT	<1.5	NT	NT	
Tetrachloroethene	<0.31	NT	NT	<1.6	NT	NT	
Toluene	<0.29	NT	NT	<1.5	NT	NT	
1,1,1-Trichloroethane	<0.31	NT	NT	<1.6	NT	NT	
1,1,2-Trichloroethane	<0.44	NT	NT	<2.2	NT	NT	
TCE	<0.34	NT	NT	527	NT	NT	
Vinyl Chloride	<0.2	NT	NT	<1	NT	NT	
Xylene Total	<0.53	NT	NT	<2.7	NT	NT	
Temperature (C)	15.3	NT	NT	14.4	NT	NT	

MW05P, MW06P, & MW03SP Were Too Dry To Sample.

Second Metals result was from a filtered sample. Due to miscommunications, the Metals were sampled on different days. The Metals were resampled during the first week of August and will be included next month.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	7-02-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	10.9	N/A	N/A	7.6	Monitor	
TSS	11	NT	NT	NT	4	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	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	<6	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	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	20	NT	<0.32/<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35/<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34/<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	35	NT	<0.27/<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25/<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25/<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3/<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31/<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29/<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	121	NT	<0.31/<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44/<0.44	<0.44	<0.44	0.5	
TCE	374	NT	0.9/<34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2/<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53/<0.53	<0.53	<0.53	124	
COD	9.7	NT	NT	NT	5.4	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.6	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.

Sample Point "After the Air Stripper" was duplicate sampled.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) July 2001	
Parameter	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP	
pH	7.09	6.86	6.71	6.78	6.69	6.81	
Conductivity	868	1011	714	676	981	1348	uMHOS/CM
Arsenic	<5.6/<5.6	<5.6/<5.6	<5.6<5.6	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6	
Barium	70/60	90/100	40/30	20/40	80/90	40/20	
Cadmium	1.2/<0.4	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	0.64/<0.4	
Cadmium Total Recoverable	<7/<0.4	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	<11/<0.4	
Chromium +6	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	
Chromium Total	120/<8	10/<8	120/<8	<8/<8	<8/<8	10/<8	
Copper	<6/<6	320/10	<6/<6	<6/10	20/<6	<6/<6	
Iron	4300/870	2000/<81	8200/<81	<81/<81	150/<81	27,000/14,000	
Lead	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5	
Manganese	90/50	50/30	170/<6	50"/60	160/170	420/170	
Mercury	<0.2/<0.02	<0.2/<0.02	<0.2/<0.02	<0.2/<0.02	<0.2/<0.02	<0.02/<0.02	
Nickel	160/150	30/20	40/<11	<11/<11	20/<11	70/20	
Selenium	<4.8/<4.8	<4.8/<4.8	<4.8/<4.8	<4.8/<4.8	<4.8/<4.8	<4.8/<4.8	
Silver	<4/<4	<4/<4	<4/<4	<4/<4	<4/<4	<4/<4	
Thallium	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	
Zinc	70/50	60/<14	30/<14	<14/10	60/20	70/20	
Cyanide	<6	<6	<6	<6	<6	<6	
Cyanide Free	<6	<6	<6	<6	<6	<6	
1,1-Dichloroethane	<0.32	83	<0.32	<0.32	<0.32	<1.6	
1,2-Dichloroethane	<0.35	<1.8	<0.35	<0.35	<0.35	<1.8	
1,1-Dichloroethene	<0.34	39	<0.34	<0.34	<0.34	<1.7	
1,2-Dichloroethene Cis	<0.27	38	<0.27	<0.27	0.78	256	
1,2-Dichloroethene Trans	<0.25	22	<0.25	<0.25	<0.25	3.3	
Ethylbenzene	<0.25	<1.3	<0.25	<0.25	<0.25	<1.3	
Methylene Chloride	<0.3	<1.5	<0.3	<0.3	<0.3	<1.5	
Tetrachloroethene	<0.31	<1.6	<0.31	<0.31	<0.31	<1.6	
Toluene	<0.29	<1.5	<0.29	<0.29	<0.29	<1.5	
1,1,1-Trichloroethane	<0.31	328	<0.31	<0.31	<0.31	<1.6	
1,1,2-Trichloroethane	<0.44	<2.2	<0.44	<0.44	<0.44	<2.2	
TCE	<0.34	127	<0.34	2.6	5.7	<1.7	
Vinyl Chloride	<0.2	<1	<0.2	<0.2	<0.2	148	
Xylene Total	<0.53	<2.7	<0.53	<0.53	<0.53	<2.7	
Temperature (C)	14.6	13.9	13.1	15.7	13.7	14.7	

Second Metals result was from a filtered sample. Due to miscommunications, the Metals were sampled on different days. The Metals were resampled during the first week of August and will be included next month. (Except for MW-16S.)

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	7-9-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.2	10.7	N/A	N/A	7.4	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	20	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	10	NT	NT	NT	20	Monitor	
Iron	740	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	<6	NT	NT	NT	<6	Monitor	
Mercury	<0.02	NT	NT	NT	<0.02	0.2	
Nickel	30	NT	NT	NT	10	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	10	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	21	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	7.8	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	33	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	13	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	121	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	411	NT	2.1	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	7-16-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	10.7	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	120	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	20	NT	NT	NT	50	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	<6	Monitor	
Mercury	<0.02	NT	NT	NT	<0.02	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	<14	NT	NT	NT	<14	Monitor	
Cyanide	10	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	16	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	30	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	86	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	346	NT	1.5	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

Influent Cation Results: Calcium 117mg/l; Magnesium 51mg/l; Potassium 13mg/l; Sodium 101mg/l; Sulfate 91mg/l; Chlorine Residual <119 ug/l;

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	7-23-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	10.7	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	90	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	890	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	120	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	18	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	20	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	31	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	107	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	407	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.

Influent Anion Results: Sulfate 54 mg/l; Chlorine Residual <119 ug/l;

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	7-30-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	10.7	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	90	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	10	NT	NT	NT	20	Monitor	
Iron	850	NT	NT	NT	100	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	140	NT	NT	NT	<6	Monitor	
Mercury	<0.02	NT	NT	NT	<0.02	0.2	
Nickel	30	NT	NT	NT	30	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	<14	NT	NT	NT	<14	Monitor	
Cyanide	20	NT	NT	NT	<8	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	19	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	9	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	32	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	2.9	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	104	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	364	NT	1.3	<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.

* Requested the lab to verify the result and rerun the sample. The second result was higher than the first (42 ug/l).

FLOW FROM EXTRACTION WELLS

YEAR: 2001

MONTH: JULY DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	587,624.90	41,178.10	0.041	
2	628,803.00	34,598.90	0.035	
3	663,401.90	23,856.10	0.024	
4	687,258.00	42,748.70	0.043	
5	730,006.70	32,696.80	0.033	
6	762,703.50	26,449.30	0.026	
7	789,152.80	33,471.10	0.033	
8	822,623.90	44,233.10	0.044	
9	866,857.00	31,693.80	0.032	
10	898,550.80	32,805.20	0.033	
11	931,356.00	32,605.60	0.033	
12	963,961.60	31,391.70	0.031	
13	995,353.30	25,347.70	0.025	
14	1,020,701.00	30,194.00	0.030	
15	1,050,895.00	38,181.00	0.038	
16	1,089,076.00	31,250.00	0.031	
17	1,120,326.00	30,838.00	0.031	
18	1,151,164.00	31,169.00	0.031	
19	1,182,333.00	29,613.00	0.030	
20	1,211,946.00	23,972.00	0.024	
21	1,235,918.00	26,121.00	0.026	
22	1,262,039.00	39,261.00	0.039	
23	1,301,300.00	29,164.00	0.029	
24	1,330,464.00	16,789.00	0.017	SHUT DOWN
25	1,347,253.00	25,837.00	0.026	
26	1,373,090.00	35,645.00	0.036	SHUT DOWN
27	1,408,735.00	25,823.00	0.026	
28	1,434,558.00	37,146.00	0.037	
29	1,471,704.00	42,555.00	0.043	
30	1,514,259.00	34,461.00	0.034	
31	1,548,720.00	33,257.00	0.033	
August 01	1,581,977.00			
		TOTAL	0.994	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2001				
MONTH: JULY DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	8,800,597.00	54,732.00	0.055	
2	8,855,329.00	47,642.00	0.048	
3	8,902,971.00	32,041.00	0.032	
4	8,935,012.00	57,141.00	0.057	
5	8,992,153.00	37,020.00	0.037	
6	9,029,173.00	35,958.00	0.036	SHUT DOWN
7	9,065,131.00	48,385.00	0.048	
8	9,113,516.00	58,853.00	0.059	
9	9,172,369.00	41,647.00	0.042	
10	9,214,016.00	44,456.00	0.044	
11	9,258,472.00	45,672.00	0.046	
12	9,304,144.00	43,758.00	0.044	
13	9,347,902.00	34,966.00	0.035	
14	9,382,868.00	39,791.00	0.040	
15	9,422,659.00	55,692.00	0.056	
16	9,478,351.00	47,177.00	0.047	SHUT DOWN
17	9,525,528.00	44,847.00	0.045	
18	9,570,375.00	40,381.00	0.040	
19	9,610,756.00	41,405.00	0.041	
20	9,652,161.00	34,906.00	0.035	
21	9,687,067.00	33,675.00	0.034	
22	9,720,742.00	52,544.00	0.053	
23	9,773,286.00	42,619.00	0.043	
24	9,815,905.00	21,664.00	0.022	SHUT DOWN
25	9,837,569.00	42,554.00	0.043	
26	9,880,123.00	44,996.00	0.045	
27	9,925,119.00	32,774.00	0.033	
28	9,957,893.00	49,451.72	0.049	
29	10,007,344.72	57,192.58	0.057	
30	10,064,537.30	52,894.70	0.053	
31	10,117,432.00	39,846.70	0.040	
August 01	10,157,278.70			
		TOTAL	1.359	
		AVERAGE	0.044	

FLOW FROM EXTRACTION WELLS

YEAR: 2001

MONTH: JULY DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	5,002,370.40	41,309.80	0.041	
2	5,043,680.20	34,600.90	0.035	
3	5,078,281.10	23,993.60	0.024	
4	5,102,274.70	42,856.60	0.043	
5	5,145,131.30	32,831.20	0.033	
6	5,177,962.50	26,587.00	0.027	
7	5,204,549.50	33,540.40	0.034	
8	5,238,089.90	44,358.50	0.044	
9	5,282,448.40	31,780.80	0.032	
10	5,314,229.20	32,839.00	0.033	
11	5,347,068.20	32,766.90	0.033	
12	5,379,835.10	31,485.80	0.031	
13	5,411,320.90	25,441.40	0.025	
14	5,436,762.30	30,276.90	0.030	
15	5,467,039.20	38,292.40	0.038	
16	5,505,331.60	31,340.60	0.031	
17	5,536,672.20	30,936.40	0.031	
18	5,567,608.60	31,237.20	0.031	
19	5,598,845.80	29,709.90	0.030	
20	5,628,555.70	24,015.00	0.024	
21	5,652,570.70	26,217.00	0.026	
22	5,678,787.70	39,381.20	0.039	
23	5,718,168.90	29,251.60	0.029	
24	5,747,420.50	16,825.90	0.017	SHUT DOWN
25	5,764,246.40	25,928.40	0.026	
26	5,790,174.80	35,739.90	0.036	SHUT DOWN
27	5,825,914.70	25,921.40	0.026	
28	5,851,836.10	37,226.80	0.037	
29	5,889,062.90	42,680.10	0.043	
30	5,931,743.00	34,549.10	0.035	
31	5,966,292.10	33,348.60	0.033	
August 01	5,999,640.70			
		TOTAL	0.997	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2001				
MONTH: JULY DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	9,065,074.00	54,960.40	0.055	
2	9,120,034.40	47,354.70	0.047	
3	9,167,389.10	32,398.60	0.032	
4	9,199,787.70	57,081.20	0.057	
5	9,256,868.90	37,157.90	0.037	
6	9,294,026.80	36,111.00	0.036	SHUT DOWN
7	9,330,137.80	48,387.50	0.048	
8	9,378,525.30	59,025.80	0.059	
9	9,437,551.10	41,784.10	0.042	
10	9,479,335.20	44,318.70	0.044	
11	9,523,653.90	45,982.20	0.046	
12	9,569,636.10	43,785.10	0.044	
13	9,613,421.20	35,143.40	0.035	
14	9,648,564.60	39,993.40	0.040	
15	9,688,558.00	55,845.90	0.056	
16	9,744,403.90	47,174.30	0.047	SHUT DOWN
17	9,791,578.20	44,976.40	0.045	
18	9,836,554.60	40,525.60	0.041	
19	9,877,080.20	41,567.10	0.042	
20	9,918,647.30	34,939.90	0.035	
21	9,953,587.20	33,894.60	0.034	
22	9,987,481.80	52,747.30	0.053	
23	10,040,229.10	42,698.70	0.043	
24	10,082,927.80	21,722.50	0.022	SHUT DOWN
25	10,104,650.30	42,612.50	0.043	
26	10,147,262.80	44,939.60	0.045	
27	10,192,202.40	32,934.40	0.033	
28	10,225,136.80	49,550.50	0.050	
29	10,274,687.30	57,359.90	0.057	
30	10,332,047.20	47,981.40	0.048	
31	10,380,028.60	45,030.20	0.045	
August 01	10,425,058.80			
		TOTAL	1.361	
		AVERAGE	0.044	

EFFLUENT FLOW FROM PLANT

YEAR: 2001				
MONTH: JULY DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	3,080,309.00	42,776.00	0.043	
2	3,123,085.00	39,898.00	0.040	
3	3,162,983.00	23,917.00	0.024	
4	3,186,900.00	44,294.00	0.044	
5	3,231,194.00	25,855.00	0.026	
6	3,257,049.00	26,750.00	0.027	SHUT DOWN
7	3,283,799.00	40,159.00	0.040	
8	3,323,958.00	43,850.00	0.044	
9	3,367,808.00	33,653.00	0.034	
10	3,401,461.00	33,691.00	0.034	
11	3,435,152.00	35,081.00	0.035	
12	3,470,233.00	33,159.00	0.033	
13	3,503,392.00	24,651.00	0.025	
14	3,528,043.00	30,332.00	0.030	
15	3,558,375.00	40,830.00	0.041	
16	3,599,205.00	35,347.00	0.035	SHUT DOWN
17	3,634,552.00	33,202.00	0.033	
18	3,667,754.00	29,000.00	0.029	
19	3,696,754.00	30,899.00	0.031	
20	3,727,653.00	27,228.00	0.027	
21	3,754,881.00	25,695.00	0.026	
22	3,780,776.00	36,225.00	0.036	
23	3,817,001.00	31,687.00	0.032	
24	3,848,688.00	13,457.00	0.013	SHUT DOWN
25	3,862,145.00	32,936.00	0.033	
26	3,895,081.00	33,811.00	0.034	
27	3,928,892.00	25,863.00	0.026	
28	3,954,755.00	39,222.00	0.039	
29	3,993,977.00	42,935.00	0.043	
30	4,036,912.00	38,232.00	0.038	
31	4,075,144.00	33,572.00	0.034	
August 01	4,108,716.00			
		TOTAL	1.029	
		AVERAGE	0.033	

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL		FEET	
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
January 5, 2001	6.74	5.85	4.52	4.41	DRY	COVERED
February 5, 2001	6.63	DRY	4.02	5.00	DRY	COVERED
March 1 & 5, 2001	5.40	DRY	3.02	3.49	DRY	COVERED
April 02, 2001	5.41	DRY	3.37	3.69	DRY	COVERED
May 1, 2001	6.12	DRY	3.58	4.09	DRY	COVERED
June 6-8, 2001	5.68	DRY	3.63	3.78	DRY	COVERED
July 03, 2001	6.19	DRY	3.9	4.36	DRY	COVERED
July 17-18, 2001	7.29	DRY	DRY	5.47	DRY	COVERED

PRECIPITATION

YEAR: 2001	
MONTH: JULY DAY	RAINFALL (INCHES)
1	0.00
2	0.00
3	0.00
4	0.00
5	0.00
6	0.00
7	0.00
8	0.00
9	0.00
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	0.00
18	0.00
19	0.50
20	0.00
21	0.00
22	0.00
23	0.75
24	0.20
25	0.15
26	0.00
27	0.00
28	0.00
29	0.05
30	0.00
31	0.00
TOTAL	1.65

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

ORGANIC REPORT

WDNR# 241340550

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

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 24844
Client ID: 02WA01P

QC Prep Batch Number: 997639

Collection: 7/2/2001 Time: 09:20
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	/ 7/3/2001
1,1,1-Trichloroethane	121	ug/l	1.6	4.9	5		8260	QH	/ 7/3/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	QH	/ 7/3/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	QH	/ 7/3/2001
1,1-Dichloroethane	20	ug/l	1.6	5.1	5		8260	QH	/ 7/3/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	QH	/ 7/3/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	QH	/ 7/3/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	QH	/ 7/3/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	QH	/ 7/3/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	QH	/ 7/3/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	QH	/ 7/3/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	QH	/ 7/3/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	/ 7/3/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	QH	/ 7/3/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	QH	/ 7/3/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	/ 7/3/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	QH	/ 7/3/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	QH	/ 7/3/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	QH	/ 7/3/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	QH	/ 7/3/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	QH	/ 7/3/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	QH	/ 7/3/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	QH	/ 7/3/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	QH	/ 7/3/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	QH	/ 7/3/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	QH	/ 7/3/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	QH	/ 7/3/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	QH	/ 7/3/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	QH	/ 7/3/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	QH	/ 7/3/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	QH	/ 7/3/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	QH	/ 7/3/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	QH	/ 7/3/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	QH	/ 7/3/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	QH	/ 7/3/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	QH	/ 7/3/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	QH	/ 7/3/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	QH	/ 7/3/2001
cis-1,2-Dichloroethene	35	ug/l	1.4	4.3	5		8260	QH	/ 7/3/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	QH	/ 7/3/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	QH	/ 7/3/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-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	/ 7/3/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	QH	/ 7/3/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	QH	/ 7/3/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	QH	/ 7/3/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	QH	/ 7/3/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	QH	/ 7/3/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	QH	/ 7/3/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	QH	/ 7/3/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	QH	/ 7/3/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	QH	/ 7/3/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	QH	/ 7/3/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	QH	/ 7/3/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	QH	/ 7/3/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	QH	/ 7/3/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	/ 7/3/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	QH	/ 7/3/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	QH	/ 7/3/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	QH	/ 7/3/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	QH	/ 7/3/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	QH	/ 7/3/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	QH	/ 7/3/2001
Trichloroethene	374	ug/l	1.7	5.4	5		8260	QH	/ 7/3/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	QH	/ 7/3/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	QH	/ 7/3/2001

Sample Number: 24848 QC Prep Batch Number: 997639 Collection: 7/2/2001 Time: 09:27
Client ID: 02WA07P Sample Description:

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

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

WDNR# 241340550

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-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	jz	/ 7/3/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	jz	/ 7/3/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	jz	/ 7/3/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	jz	/ 7/3/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	jz	/ 7/3/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	jz	/ 7/3/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	jz	/ 7/3/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	jz	/ 7/3/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	jz	/ 7/3/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	jz	/ 7/3/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	jz	/ 7/3/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	jz	/ 7/3/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	jz	/ 7/3/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	jz	/ 7/3/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	jz	/ 7/3/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	jz	/ 7/3/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	jz	/ 7/3/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	jz	/ 7/3/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	jz	/ 7/3/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	jz	/ 7/3/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	jz	/ 7/3/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	jz	/ 7/3/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	jz	/ 7/3/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	jz	/ 7/3/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	jz	/ 7/3/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	jz	/ 7/3/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	jz	/ 7/3/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	jz	/ 7/3/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-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	jz	/ 7/3/2001
Trichloroethene	0.90	ug/l	0.34	1.1	1	J	8260	jz	/ 7/3/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	jz	/ 7/3/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	jz	/ 7/3/2001

Sample Number: 24849 QC Prep Batch Number: 997639 Collection: 7/2/2001 Time: 09:29
Client ID: 02WA08P Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-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	jz	/ 7/3/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	jz	/ 7/3/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	jz	/ 7/3/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	jz	/ 7/3/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	jz	/ 7/3/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	jz	/ 7/3/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	jz	/ 7/3/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	jz	/ 7/3/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	jz	/ 7/3/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	jz	/ 7/3/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	jz	/ 7/3/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	jz	/ 7/3/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	jz	/ 7/3/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	jz	/ 7/3/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	jz	/ 7/3/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	jz	/ 7/3/2001

Sample Number: 24850
Client ID: 02WA09P

QC Prep Batch Number: 997639

Collection: 7/2/2001 Time: 09:31
Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-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	jz	/ 7/3/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	jz	/ 7/3/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	jz	/ 7/3/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	jz	/ 7/3/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	jz	/ 7/3/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	jz	/ 7/3/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	jz	/ 7/3/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	jz	/ 7/3/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	jz	/ 7/3/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	jz	/ 7/3/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	jz	/ 7/3/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	jz	/ 7/3/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	jz	/ 7/3/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	jz	/ 7/3/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	jz	/ 7/3/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	jz	/ 7/3/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	jz	/ 7/3/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	jz	/ 7/3/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	jz	/ 7/3/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	jz	/ 7/3/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	jz	/ 7/3/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	jz	/ 7/3/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	jz	/ 7/3/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	jz	/ 7/3/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	jz	/ 7/3/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	jz	/ 7/3/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	jz	/ 7/3/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	jz	/ 7/3/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	jz	/ 7/3/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	jz	/ 7/3/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-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	jz	/ 7/3/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	jz	/ 7/3/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	jz	/ 7/3/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	jz	/ 7/3/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	jz	/ 7/3/2001

Sample Number: 24852 QC Prep Batch Number: 997639 Collection: 7/2/2001 Time: 09:00
Client ID: TRIP BLANK Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-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	jz	/ 7/3/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	jz	/ 7/3/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	jz	/ 7/3/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	jz	/ 7/3/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	jz	/ 7/3/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	jz	/ 7/3/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	jz	/ 7/3/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	jz	/ 7/3/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	jz	/ 7/3/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	jz	/ 7/3/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	jz	/ 7/3/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	jz	/ 7/3/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	jz	/ 7/3/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	jz	/ 7/3/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	jz	/ 7/3/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	jz	/ 7/3/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	jz	/ 7/3/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	jz	/ 7/3/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	jz	/ 7/3/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	jz	/ 7/3/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	jz	/ 7/3/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	jz	/ 7/3/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	jz	/ 7/3/2001

Sample Number: 24853 QC Prep Batch Number: 997639 Collection: 7/2/2001 Time: 09:27
Client ID: 02WA07Q Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	jz	/ 7/3/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	jz	/ 7/3/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	jz	/ 7/3/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	jz	/ 7/3/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	jz	/ 7/3/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	jz	/ 7/3/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010461**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 02-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	jz	/ 7/3/2001
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	jz	/ 7/3/2001
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	jz	/ 7/3/2001
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	jz	/ 7/3/2001
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	jz	/ 7/3/2001
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	jz	/ 7/3/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	jz	/ 7/3/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	jz	/ 7/3/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	jz	/ 7/3/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	jz	/ 7/3/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	jz	/ 7/3/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	jz	/ 7/3/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	jz	/ 7/3/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	jz	/ 7/3/2001

Approved By: _____ **Date:** 7/24/01

James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010461**
DATE REPORTED: 30-Jul-01
DATE RECEIVED: 02-Jul-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: 24844 Matrix: GW
Client ID: **02WA01P**
Collection: 7/2/2001 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	jb	7/3/2001	*997500*	
Barium - ICAP	**0.12**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	7/13/2001	*997690*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	7/2/2001	*997489*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	7/13/2001	*997690*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/13/2001	*997690*	
Iron - ICAP	**1.1**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	7/13/2001	*997690*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/10/2001	*997570*	
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/13/2001	*997690*	
Mercury CV	**<0.02**	**ug/l**		**RJ**	0.02	0.06	245.1	bb	7/23/2001	*997782*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	bb	7/13/2001	*997690*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	7/5/2001	*997516*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	7/13/2001	*997690*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	7/6/2001	*997532*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	bb	7/13/2001	*997690*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	ta	7/3/2001	*997652*	
COD. Total	**9.7**	**mg/l**	*J*	**RJ**	3.4	11	410.4-CT	ta	7/11/2001	*997653*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	7/11/2001	*997575*	
Cyanide, Total	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	7/1/2001	*997573*	
pH (water)	**6.9**	**s.u.**	#				150.1	ogtp	7/2/2001	*997492*	
Solids, Total Suspended	**11**	**mg/l**			1	3.2	SM 2540D	jb	7/12/2001	*997589*	

Sample Number: 24845 Matrix: GW
Client ID: **02WA02P**
Collection: 7/2/2001 Time: 09:20
Sample Description:

pH (water)	**9.7**	**s.u.**	#				150.1	ogtp	7/2/2001	*997492*	

Sample Number: 24846 Matrix: GW
Client ID: **02WA03P**
Collection: 7/2/2001 Time: 09:28
Sample Description:

pH (water)	**11**	**s.u.**	#				150.1	ogtp	7/2/2001	*997492*	

Sample Number: 24847 Matrix: GW
Client ID: **02WA05P**
Collection: 7/2/2001 Time: 09:25
Sample Description:

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010461**
DATE REPORTED: 30-Jul-01
DATE RECEIVED: 02-Jul-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
pH (water)	**6.6**	**s.u.**	#			150.1	ogtp	7/2/2001	*997492*	
Sample Number: 24850	Matrix: GW							Collection: 7/2/2001		Time: 09:31
Client ID: **02WA09P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	7/3/2001	*997652*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	7/11/2001	*997575*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	7/1/2001	*997573*	
pH (water)	**7.6**	**s.u.**	#			150.1	ogtp	7/2/2001	*997492*	
Sample Number: 24851	Matrix: GW							Collection: 7/2/2001		Time: 09:35
Client ID: **02WA09R**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/3/2001	*997500*	
Barium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	7/13/2001	*997646*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	7/2/2001	*997489*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	7/13/2001	*997646*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	7/13/2001	*997646*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	7/13/2001	*997646*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/10/2001	*997570*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	7/13/2001	*997646*	
Mercury CV	**<0.02**	**ug/l**	**RJ**	0.02	0.06	245.1	bb	7/23/2001	*997782*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	7/13/2001	*997646*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	7/5/2001	*997516*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	7/13/2001	*997646*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	7/6/2001	*997532*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	7/13/2001	*997646*	
COD. Total	**5.4**	**mg/l**	*J* **RJ**	3.4	11	410.4-CT	ta	7/11/2001	*997653*	
Nitrate + Nitrite Nitrogen	**1.6**	**mg/l**	**RJ**	0.03	0.10	353.3	ta	7/11/2001	*997656*	
Nitrogen, Ammonia	**<0.10**	**mg/l**	**RJ**	0.1	0.32	350.1	ta	7/13/2001	*997655*	
Phosphorus, Total	**<0.1**	**mg/l**	**RJ**	0.1	0.32	365.2	ta	7/10/2001	*997657*	
Solids, Total Suspended	**4**	**mg/l**		1	3.2	SM 2540D	jb	7/12/2001	*997589*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010461**
DATE REPORTED:	30-Jul-01
DATE RECEIVED:	02-Jul-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:** 7/30/01

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

APL INC.

INORGANIC REPORT

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

WDNR# 241340550

INVOICE NUMBER **20010474**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 09-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 24907		Matrix: GW							Collection: 7/9/2001		Time: 08:15
Client ID: **09WA01P**									Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jb	7/16/2001	*997624*	
Barium - ICAP	**0.12**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	7/24/2001	*997825*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	tm	5/15/2001	*997557*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	7/24/2001	*997825*	
Copper- ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.006	0.02	200.7	bb	7/24/2001	*997825*	
Iron - ICAP	**0.74**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	7/24/2001	*997825*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/10/2001	*997570*	
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/24/2001	*997825*	
Mercury CV	**<0.02**	**ug/l**		**RJ**	0.02	0.06	245.1	bb	7/23/2001	*997782*	
Nickel - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	7/24/2001	*997825*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb tm	7/31/2001	*997853*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	7/24/2001	*997825*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	7/19/2001	*997696*	
Zinc - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	bb	7/24/2001	*997825*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	ta	7/18/2001	*997753*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	tm	7/20/2001	*997764*	
Cyanide, Total	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	tm	7/20/2001	*997758*	
pH (water)	**7.2**	**s.u.**	#				150.1	ogtp	7/9/2001	*997543*	
Sample Number: 24908		Matrix: GW							Collection: 7/9/2001		Time: 08:23
Client ID: **09WA02P**									Sample Description:		
pH (water)	**9.5**	**s.u.**	#				150.1	ogtp	7/9/2001	*997543*	
Sample Number: 24909		Matrix: GW							Collection: 7/9/2001		Time: 08:20
Client ID: **09WA03P**									Sample Description:		
pH (water)	**11**	**s.u.**	#				150.1	ogtp	7/9/2001	*997543*	
Sample Number: 24910		Matrix: GW							Collection: 7/9/2001		Time: 09:20
Client ID: **09WA05P**									Sample Description:		
pH (water)	**6.5**	**s.u.**	#				150.1	ogtp	7/9/2001	*997543*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010474**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 09-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 24913	Matrix: GW							Collection: 7/9/2001		Time: 07:45	
Client ID: **09WA09P**								Sample Description:			
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	ta	7/18/2001	*997753*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	tm	7/20/2001	*997764*	
Cyanide, Total	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	tm	7/20/2001	*997758*	
pH (water)	**7.4**	**s.u.**		**#**			150.1	ogtp	7/9/2001	*997543*	
Sample Number: 24914	Matrix: GW							Collection: 7/9/2001		Time: 08:25	
Client ID: **09WA09R**								Sample Description:			
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jb	7/16/2001	*997624*	
Barium - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.007	0.02	200.7	bb	7/24/2001	*997735*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	jb	7/13/2001	*997616*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	7/24/2001	*997735*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/24/2001	*997735*	
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	7/24/2001	*997735*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/10/2001	*997570*	
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/24/2001	*997735*	
Mercury CV	**<0.02**	**ug/l**		**RJ**	0.02	0.06	245.1	bb	7/23/2001	*997782*	
Nickel - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	7/24/2001	*997735*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb tm	7/31/2001	*997853*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	7/24/2001	*997735*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	7/19/2001	*997696*	
Zinc - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	bb	7/24/2001	*997735*	

Approved By: _____ **Date:** 8/20/01

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.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010474**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 09-Jul-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: 24907 QC Prep Batch Number: 997727 Collection: 2001-7-9 Time:08:15
Client ID: 09WA01P 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	/ 2001-7-10
1,1,1-Trichloroethane	121	ug/l	1.6	4.9	5		8260	qh	/ 2001-7-10
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 2001-7-10
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 2001-7-10
1,1-Dichloroethane	21	ug/l	1.6	5.1	5		8260	qh	/ 2001-7-10
1,1-Dichloroethene	7.8	ug/l	1.7	5.4	5		8260	qh	/ 2001-7-10
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 2001-7-10
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 2001-7-10
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 2001-7-10
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 2001-7-10
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 2001-7-10
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 2001-7-10
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 2001-7-10
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 2001-7-10
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 2001-7-10
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 2001-7-10
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2001-7-10
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 2001-7-10
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 2001-7-10
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 2001-7-10
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2001-7-10
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 2001-7-10
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 2001-7-10
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 2001-7-10
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2001-7-10
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 2001-7-10
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 2001-7-10
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2001-7-10
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 2001-7-10
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 2001-7-10
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 2001-7-10
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 2001-7-10
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 2001-7-10
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 2001-7-10
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 2001-7-10
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 2001-7-10
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 2001-7-10
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 2001-7-10
cis-1,2-Dichloroethene	33	ug/l	1.4	4.3	5		8260	qh	/ 2001-7-10
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 2001-7-10
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 2001-7-10

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010474**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 09-Jul-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	/ 2001-7-10
Dichlorodifluoromethane	< 1.4	**ug/l**	1.4	4.3	5		8260	qh	/ 2001-7-10
Ethylbenzene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	/ 2001-7-10
Hexachlorobutadiene	< 2.1	**ug/l**	2.1	6.7	5		8260	qh	/ 2001-7-10
Isopropyl Ether	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	/ 2001-7-10
Isopropylbenzene	< 1.7	**ug/l**	1.7	5.2	5		8260	qh	/ 2001-7-10
m&p-xylene	< 2.7	**ug/l**	2.7	8.4	5		8260	qh	/ 2001-7-10
Methyl-t-butyl ether	< 2.0	**ug/l**	2.0	6.2	5		8260	qh	/ 2001-7-10
Methylene chloride	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	/ 2001-7-10
n-Butylbenzene	< 1.8	**ug/l**	1.8	5.7	5		8260	qh	/ 2001-7-10
n-Propylbenzene	< 1.4	**ug/l**	1.4	4.5	5		8260	qh	/ 2001-7-10
Naphthalene	< 3.8	**ug/l**	3.8	12	5		8260	qh	/ 2001-7-10
o-xylene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	/ 2001-7-10
p-Isopropyltoluene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	/ 2001-7-10
sec-Butylbenzene	< 1.7	**ug/l**	1.7	5.4	5		8260	qh	/ 2001-7-10
Styrene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	/ 2001-7-10
tert-Butylbenzene	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	/ 2001-7-10
Tetrachloroethene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	/ 2001-7-10
Toluene	< 1.5	**ug/l**	1.5	4.6	5		8260	qh	/ 2001-7-10
trans-1,2-Dichloroethene	13	**ug/l**	1.3	4.0	5		8260	qh	/ 2001-7-10
trans-1,3-Dichloropropene	< 1.3	**ug/l**	1.3	4.1	5		8260	qh	/ 2001-7-10
Trichloroethene	411	**ug/l**	1.7	5.4	5		8260	qh	/ 2001-7-10
Trichlorofluoromethane	< 1.2	**ug/l**	1.2	3.8	5		8260	qh	/ 2001-7-10
Vinyl chloride	< 1.0	**ug/l**	1.0	3.2	5		8260	qh	/ 2001-7-10

Sample Number: 24911
Client ID: 09WA07P

QC Prep Batch Number: 997727

Collection: 2001-7-9 Time: 09:23
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	/ 2001-7-10
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 2001-7-10
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	/ 2001-7-10
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	/ 2001-7-10
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	/ 2001-7-10
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2001-7-10
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	/ 2001-7-10
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	/ 2001-7-10
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	/ 2001-7-10
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	/ 2001-7-10
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 2001-7-10
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	/ 2001-7-10
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2001-7-10
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	/ 2001-7-10
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	/ 2001-7-10
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2001-7-10

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010474**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 09-Jul-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	/ 2001-7-10
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2001-7-10
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2001-7-10
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2001-7-10
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2001-7-10
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2001-7-10
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2001-7-10
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2001-7-10
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2001-7-10
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2001-7-10
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2001-7-10
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2001-7-10
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2001-7-10
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2001-7-10
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2001-7-10
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2001-7-10
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2001-7-10
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2001-7-10
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2001-7-10
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2001-7-10
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2001-7-10
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2001-7-10
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2001-7-10
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2001-7-10
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2001-7-10
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2001-7-10
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2001-7-10
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2001-7-10
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010474**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 09-Jul-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	/ 2001-7-10
Trichloroethene	2.1	**ug/l**	0.34	1.1	1		8260	qh	/ 2001-7-10
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 2001-7-10
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	/ 2001-7-10

Sample Number: 24912 QC Prep Batch Number: 997727 Collection: 2001-7-9 Time: 09:26
Client ID: 09WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	/ 2001-7-10
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 2001-7-10
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	/ 2001-7-10
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	/ 2001-7-10
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	/ 2001-7-10
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2001-7-10
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	/ 2001-7-10
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	/ 2001-7-10
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	/ 2001-7-10
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	/ 2001-7-10
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 2001-7-10
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	/ 2001-7-10
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2001-7-10
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	/ 2001-7-10
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	/ 2001-7-10
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2001-7-10
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 2001-7-10
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	/ 2001-7-10
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	/ 2001-7-10
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	/ 2001-7-10
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 2001-7-10
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	qh	/ 2001-7-10
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	qh	/ 2001-7-10
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 2001-7-10
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 2001-7-10
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	qh	/ 2001-7-10
Acetone	< 1.6	**ug/l**	1.6	4.9	1		8260	qh	/ 2001-7-10
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 2001-7-10
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 2001-7-10
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	/ 2001-7-10
Bromodichloromethane	< 0.38	**ug/l**	0.38	1.2	1		8260	qh	/ 2001-7-10
Bromoform	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	/ 2001-7-10
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	/ 2001-7-10
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 2001-7-10
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 2001-7-10
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	/ 2001-7-10

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010474**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 09-Jul-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	/ 2001-7-10
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2001-7-10
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2001-7-10
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2001-7-10
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2001-7-10
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2001-7-10
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2001-7-10
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2001-7-10
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2001-7-10
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2001-7-10
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2001-7-10
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2001-7-10
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2001-7-10
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2001-7-10
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2001-7-10
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2001-7-10

Sample Number: 24913 QC Prep Batch Number: 997727 Collection: 2001-7-9 Time: 07:45
Client ID: 09WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2001-7-10
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2001-7-10
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2001-7-10
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2001-7-10
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2001-7-10
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2001-7-10
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2001-7-10
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2001-7-10
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010474**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 09-Jul-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	/ 2001-7-10
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2001-7-10
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2001-7-10
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2001-7-10
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2001-7-10
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2001-7-10
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2001-7-10
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2001-7-10
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2001-7-10
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2001-7-10
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2001-7-10
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2001-7-10
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2001-7-10
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2001-7-10
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2001-7-10
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2001-7-10
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2001-7-10
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2001-7-10
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2001-7-10
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2001-7-10
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2001-7-10
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2001-7-10
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2001-7-10
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2001-7-10
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2001-7-10
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2001-7-10
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2001-7-10
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2001-7-10
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2001-7-10
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2001-7-10
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010474**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 09-Jul-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	/ 2001-7-10
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2001-7-10
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2001-7-10
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2001-7-10
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2001-7-10
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2001-7-10

Sample Number: 24915 QC Prep Batch Number: 997727 Collection: 2001-7-9 Time: 12:00
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2001-7-10
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2001-7-10
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2001-7-10
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2001-7-10
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2001-7-10
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2001-7-10
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2001-7-10
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2001-7-10
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2001-7-10
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2001-7-10
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2001-7-10
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2001-7-10
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2001-7-10
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2001-7-10
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2001-7-10
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2001-7-10
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2001-7-10
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2001-7-10
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2001-7-10
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2001-7-10
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2001-7-10
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2001-7-10
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2001-7-10
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2001-7-10
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2001-7-10
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2001-7-10

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010474**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 09-Jul-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	/ 2001-7-10
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	/ 2001-7-10
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 2001-7-10
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 2001-7-10
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	/ 2001-7-10
Chloroform	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 2001-7-10
Chloromethane	< 0.49	**ug/l**	0.49	1.6	1		8260	qh	/ 2001-7-10
cis-1,2-Dichloroethene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 2001-7-10
cis-1,3-Dichloropropene	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	/ 2001-7-10
Dibromochloromethane	< 0.41	**ug/l**	0.41	1.3	1		8260	qh	/ 2001-7-10
Dibromomethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	/ 2001-7-10
Dichlorodifluoromethane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 2001-7-10
Ethylbenzene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 2001-7-10
Hexachlorobutadiene	< 0.42	**ug/l**	0.42	1.3	1		8260	qh	/ 2001-7-10
Isopropyl Ether	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 2001-7-10
Isopropylbenzene	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	/ 2001-7-10
m&p-xylene	< 0.53	**ug/l**	0.53	1.7	1		8260	qh	/ 2001-7-10
Methyl-t-butyl ether	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	/ 2001-7-10
Methylene chloride	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 2001-7-10
n-Butylbenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	/ 2001-7-10
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	qh	/ 2001-7-10
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	/ 2001-7-10
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 2001-7-10
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 2001-7-10
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2001-7-10
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 2001-7-10
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 2001-7-10
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 2001-7-10
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	/ 2001-7-10
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 2001-7-10
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 2001-7-10
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 2001-7-10
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 2001-7-10
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	/ 2001-7-10

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010474**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 09-Jul-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:** 7/24/2

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 **20010490**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 16-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 24998 Matrix: GW
Client ID: **16WA09R**
Collection: 7/16/2001 Time: 09:00
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	7/23/2001	997713	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	bb	7/24/2001	997736	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	7/19/2001	997701	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	7/24/2001	997736	
Copper- ICAP	0.05	mg/l	RJ	0.006	0.02	200.7	bb	7/24/2001	997736	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	7/24/2001	997736	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/23/2001	997721	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	7/24/2001	997736	
Mercury CV	<0.02	ug/l	RJ	0.02	0.06	245.1	bb	7/23/2001	997782	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	7/24/2001	997736	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/2/2001	997865	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	7/24/2001	997736	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	7/19/2001	997696	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	7/24/2001	997736	

Sample Number: 24999 Matrix: GW
Client ID: **16WA01P**
Collection: 7/16/2001 Time: 08:45
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	7/23/2001	997713
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	bb	7/24/2001	997736
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	7/19/2001	997701
Calcium - ICAP	117	mg/l	RJ	0.062	0.20	200.7	bb	7/24/2001	997736
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	7/24/2001	997736
Copper- ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	bb	7/24/2001	997736
Iron - ICAP	1.1	mg/l	RJ	0.081	0.26	200.7	bb	7/24/2001	997736
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/23/2001	997721
Magnesium - ICAP	51	mg/l	RJ	0.07	0.22	200.7	bb	7/24/2001	997736
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	bb	7/24/2001	997736
Mercury CV	<0.02	ug/l	RJ	0.02	0.06	245.1	bb	7/23/2001	997782
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	7/24/2001	997736
Potassium - ICAP	13	mg/l	RJ	0.24	0.76	200.7	bb	7/24/2001	997736
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/2/2001	997865

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010490**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 16-Jul-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
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	7/24/2001	*997736*	
Sodium - ICAP	**101**	**mg/l**	**RJ**	0.44	1.4	200.7	bb	7/24/2001	*997736*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	7/19/2001	*997696*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	7/24/2001	*997736*	
Chlorine, Residual	**<119**	**ug/l**	**RJ**	119	379	330.2	bb	7/30/2001	*997836*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	7/18/2001	*997753*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	7/27/2001	*997807*	
Cyanide, Total	**0.01**	**mg/l**	***J*** **RJ**	0.006	0.02	335.2	bb	7/27/2001	*997808*	
pH (water)	**7**	**s.u.**	**#**			150.1	ogtp	7/16/2001	*997668*	
Sulfate	**91**	**mg/l**	**RJ**	10	32	375.4	bb	7/30/2001	*997827*	

Sample Number: 25000 Matrix: GW
Client ID: **16WA02P**
Collection: 7/16/2001 Time: 09:02
Sample Description:

pH (water)	**9.6**	**s.u.**	**#**			150.1	ogtp	7/16/2001	*997668*	

Sample Number: 25001 Matrix: GW
Client ID: **16WA03P**
Collection: 7/16/2001 Time: 09:04
Sample Description:

pH (water)	**11**	**s.u.**	**#**			150.1	ogtp	7/16/2001	*997668*	

Sample Number: 25002 Matrix: GW
Client ID: **16WA05P**
Collection: 7/16/2001 Time: 08:50
Sample Description:

pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	7/16/2001	*997668*	

Sample Number: 25005 Matrix: GW
Client ID: **16WA09P**
Collection: 7/16/2001 Time: 08:56
Sample Description:

Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	7/18/2001	*997753*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	7/27/2001	*997807*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	7/27/2001	*997808*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	ogtp	7/16/2001	*997668*	

Sample Number: 25007 Matrix: GW
Client ID: **SULFURIC ACID**
Collection: 7/16/2001 Time: 07:30
Sample Description:

pH (water)	**-1.92**	**s.u.**	**#**			150.1	jb	7/18/2001	*997668*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010490**
DATE REPORTED:	20-Aug-01
DATE RECEIVED:	16-Jul-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

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

Approved By: _____ **Date:** 8/20/01

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: **20010490**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 16-Jul-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: 24999 QC Prep Batch Number: 997765 Collection: 7/16/2001 Time: 08:45
Client ID: 16WA01P 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	tm	/ 7/16/2001
1,1,1-Trichloroethane	86	ug/l	1.6	4.9	5		8260	tm	/ 7/16/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	tm	/ 7/16/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	tm	/ 7/16/2001
1,1-Dichloroethane	16	ug/l	1.6	5.1	5		8260	tm	/ 7/16/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	tm	/ 7/16/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	tm	/ 7/16/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	tm	/ 7/16/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	tm	/ 7/16/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	tm	/ 7/16/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	tm	/ 7/16/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	tm	/ 7/16/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	tm	/ 7/16/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	tm	/ 7/16/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	tm	/ 7/16/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	tm	/ 7/16/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	tm	/ 7/16/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	tm	/ 7/16/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	tm	/ 7/16/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	tm	/ 7/16/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	tm	/ 7/16/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	tm	/ 7/16/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	tm	/ 7/16/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	tm	/ 7/16/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	tm	/ 7/16/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	tm	/ 7/16/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	tm	/ 7/16/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	tm	/ 7/16/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	tm	/ 7/16/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	tm	/ 7/16/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	tm	/ 7/16/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	tm	/ 7/16/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	tm	/ 7/16/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	tm	/ 7/16/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	tm	/ 7/16/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	tm	/ 7/16/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	tm	/ 7/16/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	tm	/ 7/16/2001
cis-1,2-Dichloroethene	30	ug/l	1.4	4.3	5		8260	tm	/ 7/16/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	tm	/ 7/16/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	tm	/ 7/16/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010490**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 16-Jul-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	tm	/ 7/16/2001
Dichlorodifluoromethane	< 1.4	**ug/l**	1.4	4.3	5		8260	tm	/ 7/16/2001
Ethylbenzene	< 1.3	**ug/l**	1.3	4.0	5		8260	tm	/ 7/16/2001
Hexachlorobutadiene	< 2.1	**ug/l**	2.1	6.7	5		8260	tm	/ 7/16/2001
Isopropyl Ether	< 1.5	**ug/l**	1.5	4.8	5		8260	tm	/ 7/16/2001
Isopropylbenzene	< 1.7	**ug/l**	1.7	5.2	5		8260	tm	/ 7/16/2001
m&p-xylene	< 2.7	**ug/l**	2.7	8.4	5		8260	tm	/ 7/16/2001
Methyl-t-butyl ether	< 2.0	**ug/l**	2.0	6.2	5		8260	tm	/ 7/16/2001
Methylene chloride	< 1.5	**ug/l**	1.5	4.8	5		8260	tm	/ 7/16/2001
n-Butylbenzene	< 1.8	**ug/l**	1.8	5.7	5		8260	tm	/ 7/16/2001
n-Propylbenzene	< 1.4	**ug/l**	1.4	4.5	5		8260	tm	/ 7/16/2001
Naphthalene	< 3.8	**ug/l**	3.8	12	5		8260	tm	/ 7/16/2001
o-xylene	< 1.3	**ug/l**	1.3	4.0	5		8260	tm	/ 7/16/2001
p-Isopropyltoluene	< 1.6	**ug/l**	1.6	4.9	5		8260	tm	/ 7/16/2001
sec-Butylbenzene	< 1.7	**ug/l**	1.7	5.4	5		8260	tm	/ 7/16/2001
Styrene	< 1.3	**ug/l**	1.3	4.0	5		8260	tm	/ 7/16/2001
tert-Butylbenzene	< 1.5	**ug/l**	1.5	4.8	5		8260	tm	/ 7/16/2001
Tetrachloroethene	< 1.6	**ug/l**	1.6	4.9	5		8260	tm	/ 7/16/2001
Toluene	< 1.5	**ug/l**	1.5	4.6	5		8260	tm	/ 7/16/2001
trans-1,2-Dichloroethene	< 1.3	**ug/l**	1.3	4.0	5		8260	tm	/ 7/16/2001
trans-1,3-Dichloropropene	< 1.3	**ug/l**	1.3	4.1	5		8260	tm	/ 7/16/2001
Trichloroethene	346	**ug/l**	1.7	5.4	5		8260	tm	/ 7/16/2001
Trichlorofluoromethane	< 1.2	**ug/l**	1.2	3.8	5		8260	tm	/ 7/16/2001
Vinyl chloride	< 1.0	**ug/l**	1.0	3.2	5		8260	tm	/ 7/16/2001

Sample Number: 25003 QC Prep Batch Number: 997765 Collection: 7/16/2001 Time: 08:52
Client ID: 16WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	tm	/ 7/16/2001
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	tm	/ 7/16/2001
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	tm	/ 7/16/2001
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	tm	/ 7/16/2001
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	tm	/ 7/16/2001
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	tm	/ 7/16/2001
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	tm	/ 7/16/2001
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	tm	/ 7/16/2001
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	tm	/ 7/16/2001
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	tm	/ 7/16/2001
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	tm	/ 7/16/2001
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	tm	/ 7/16/2001
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	tm	/ 7/16/2001
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	tm	/ 7/16/2001
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	tm	/ 7/16/2001
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	tm	/ 7/16/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010490**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 16-Jul-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	tm	/ 7/16/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	/ 7/16/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	/ 7/16/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	/ 7/16/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	/ 7/16/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	/ 7/16/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	/ 7/16/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	/ 7/16/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	/ 7/16/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	/ 7/16/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	/ 7/16/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	/ 7/16/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	/ 7/16/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	/ 7/16/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	/ 7/16/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	/ 7/16/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	/ 7/16/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	/ 7/16/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	/ 7/16/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	/ 7/16/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	/ 7/16/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	/ 7/16/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	/ 7/16/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010490**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 16-Jul-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	tm	/ 7/16/2001
Trichloroethene	1.5	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	/ 7/16/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	/ 7/16/2001

Sample Number: 25004 QC Prep Batch Number: 997765 Collection: 7/16/2001 Time: 08:54
Client ID: 16WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	/ 7/16/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	/ 7/16/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	/ 7/16/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	/ 7/16/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	/ 7/16/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	/ 7/16/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	/ 7/16/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	/ 7/16/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	/ 7/16/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	/ 7/16/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	/ 7/16/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	/ 7/16/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	/ 7/16/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	/ 7/16/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	/ 7/16/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	/ 7/16/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	/ 7/16/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	/ 7/16/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	/ 7/16/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	/ 7/16/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	/ 7/16/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010490**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 16-Jul-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	tm	/ 7/16/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	/ 7/16/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	/ 7/16/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	/ 7/16/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	/ 7/16/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	/ 7/16/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	/ 7/16/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	/ 7/16/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	/ 7/16/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	/ 7/16/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	/ 7/16/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	/ 7/16/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	/ 7/16/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	/ 7/16/2001

Sample Number: 25005 QC Prep Batch Number: 997765 Collection: 7/16/2001 Time: 08:56
Client ID: 16WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	/ 7/16/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	/ 7/16/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	/ 7/16/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	/ 7/16/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	/ 7/16/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	/ 7/16/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	/ 7/16/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	/ 7/16/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010490**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 16-Jul-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	tm	/ 7/16/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	/ 7/16/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	/ 7/16/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	/ 7/16/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	/ 7/16/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	/ 7/16/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	/ 7/16/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	/ 7/16/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	/ 7/16/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	/ 7/16/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	/ 7/16/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	/ 7/16/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	/ 7/16/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	/ 7/16/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	/ 7/16/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	/ 7/16/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	/ 7/16/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	/ 7/16/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	/ 7/16/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	/ 7/16/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	/ 7/16/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	/ 7/16/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	/ 7/16/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	/ 7/16/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010490**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 16-Jul-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	tm	/ 7/16/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	/ 7/16/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	/ 7/16/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	/ 7/16/2001

Sample Number: 25006 QC Prep Batch Number: 997765 Collection: 7/16/2001 Time: 12:00
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	/ 7/16/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	/ 7/16/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	/ 7/16/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	/ 7/16/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	/ 7/16/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	/ 7/16/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	/ 7/16/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	/ 7/16/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	/ 7/16/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	/ 7/16/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	/ 7/16/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	/ 7/16/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	/ 7/16/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	/ 7/16/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	/ 7/16/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	/ 7/16/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	/ 7/16/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	/ 7/16/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	/ 7/16/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010490**
DATE REPORTED: 24-Jul-01
DATE RECEIVED: 16-Jul-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	tm	/ 7/16/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	/ 7/16/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	/ 7/16/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	/ 7/16/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	/ 7/16/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	/ 7/16/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	/ 7/16/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	/ 7/16/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	/ 7/16/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	/ 7/16/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	/ 7/16/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	/ 7/16/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	/ 7/16/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	/ 7/16/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	/ 7/16/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	/ 7/16/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	/ 7/16/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	/ 7/16/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	/ 7/16/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	/ 7/16/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	/ 7/16/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	/ 7/16/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	/ 7/16/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	/ 7/16/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010490**
DATE REPORTED:	24-Jul-01
DATE RECEIVED:	16-Jul-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:** 7/24/01

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 **20010514**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 23-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Sample Number: 25102 Matrix: GW
Client ID: **17MW09SP** Collection: 7/17/2001 Time: 11:40
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	jb	7/25/2001	997767	
Barium - ICAP	0.2	mg/l		RJ	0.007	0.02	200.7	bb	7/31/2001	997910	
Cadmium - Furnace AA	<0.4	ug/l		TTR	0.4	1.3	213.2	jb	7/26/2001	997768	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	bb	7/31/2001	997910	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	bb	7/31/2001	997910	
Iron - ICAP	7.1	mg/l		RJ	0.081	0.26	200.7	bb	7/31/2001	997910	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	jb	7/24/2001	997733	
Manganese - ICAP	0.22	mg/l		RJ	0.006	0.02	200.7	bb	8/7/2001	997910	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	bb	8/2/2001	997864	
Nickel - ICAP	0.02	mg/l	J	RJ	0.011	0.03	200.7	bb	7/31/2001	997910	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	jb	8/2/2001	997865	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	bb	7/31/2001	997910	
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	jb	7/26/2001	997779	
Zinc - ICAP	0.04	mg/l	J	RJ	0.014	0.04	200.7	bb	7/31/2001	997910	
Chromium, Hexavalent	<0.0042	mg/l		RJ	0.004	0.01	SM 3500D	ta	7/18/2001	997753	
Cyanide, Amenable	<0.006	mg/l		RJ	0.006	0.02	335.2	bb	8/1/2001	997855	
Cyanide, Total	<0.006	mg/l		RJ	0.006	0.02	335.2	bb	8/1/2001	997857	
pH (water)	6.6	s.u.	#				150.1	ogtp	7/24/2001	997725	

Sample Number: 25103 Matrix: GW
Client ID: **17MW05DP** Collection: 7/17/2001 Time: 12:10
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	jb	7/25/2001	997767	
Barium - ICAP	0.11	mg/l		RJ	0.007	0.02	200.7	bb	7/31/2001	997910	
Cadmium - Furnace AA	<0.4	ug/l		TTR	0.4	1.3	213.2	jb	7/26/2001	997768	
Chromium, Total - ICAP	0.02	mg/l	J	RJ	0.008	0.03	200.7	bb	7/31/2001	997910	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	bb	7/31/2001	997910	
Iron - ICAP	6.6	mg/l		RJ	0.081	0.26	200.7	bb	7/31/2001	997910	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	jb	7/24/2001	997733	
Manganese - ICAP	0.14	mg/l		RJ	0.006	0.02	200.7	bb	8/7/2001	997910	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	bb	8/2/2001	997864	
Nickel - ICAP	0.02	mg/l	J	RJ	0.011	0.03	200.7	bb	7/31/2001	997910	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010514**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 23-Jul-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	jb	8/2/2001	*997865*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	7/31/2001	*997910*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	7/26/2001	*997779*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	bb	7/31/2001	*997910*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	7/18/2001	*997753*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997855*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997857*	
pH (water)	**6.9**	**s.u.**	**#**			150.1	ogtp	7/24/2001	*997725*	

Sample Number: 25104 Matrix: GW
Client ID: **18MW12DP**
Collection: 7/18/2001 Time: 07:20
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/25/2001	*997767*	
Barium - ICAP	**0.09**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	7/31/2001	*997910*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	7/26/2001	*997768*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J* RJ**	0.008	0.03	200.7	bb	7/31/2001	*997910*	
Copper- ICAP	**0.32**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	7/31/2001	*997910*	
Iron - ICAP	**2**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	7/31/2001	*997910*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/24/2001	*997733*	
Manganese - ICAP	**0.05**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/7/2001	*997910*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	8/2/2001	*997864*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	bb	7/31/2001	*997910*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	8/2/2001	*997865*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	7/31/2001	*997910*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	7/26/2001	*997779*	
Zinc - ICAP	**0.06**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	7/31/2001	*997910*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	7/18/2001	*997753*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997855*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997857*	
pH (water)	**6.9**	**s.u.**	**#**			150.1	ogtp	7/24/2001	*997725*	

Sample Number: 25105 Matrix: GW
Client ID: **18MW12BP**
Collection: 7/18/2001 Time: 12:20
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/25/2001	*997767*	
Barium - ICAP	**0.07**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	7/31/2001	*997910*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010514**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 23-Jul-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
Cadmium - Furnace AA	1.2	ug/l	J TTR	0.4	1.3	213.2	jb	7/26/2001	997768	
Cadmium-Total Recoverable	0	ug/l		0.4	1.3	7131				Preliminary Data
Chromium, Total - ICAP	0.12	mg/l	RJ	0.008	0.03	200.7	bb	7/31/2001	997910	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	7/31/2001	997910	
Iron - ICAP	4.3	mg/l	RJ	0.081	0.26	200.7	bb	7/31/2001	997910	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/24/2001	997733	
Manganese - ICAP	0.09	mg/l	RJ	0.006	0.02	200.7	bb	8/7/2001	997910	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	8/2/2001	997864	
Nickel - ICAP	0.16	mg/l	RJ	0.011	0.03	200.7	bb	7/31/2001	997910	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/2/2001	997877	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	7/31/2001	997910	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	7/26/2001	997779	
Zinc - ICAP	0.07	mg/l	RJ	0.014	0.04	200.7	bb	7/31/2001	997910	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	7/18/2001	997753	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/1/2001	997855	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/1/2001	997857	
pH (water)	7.1	s.u.	#			150.1	ogtp	7/24/2001	997725	

Sample Number: 25106 Matrix: GW
Client ID: **18MW13SP**
Collection: 7/18/2001 Time: 10:20
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	7/25/2001	997767	
Barium - ICAP	0.04	mg/l	RJ	0.007	0.02	200.7	bb	7/31/2001	997910	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	7/26/2001	997768	
Chromium, Total - ICAP	0.12	mg/l	RJ	0.008	0.03	200.7	bb	7/31/2001	997910	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	7/31/2001	997910	
Iron - ICAP	8.2	mg/l	RJ	0.081	0.26	200.7	bb	7/31/2001	997910	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/24/2001	997733	
Manganese - ICAP	0.17	mg/l	RJ	0.006	0.02	200.7	bb	8/7/2001	997910	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	8/2/2001	997864	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	bb	7/31/2001	997910	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/2/2001	997877	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	7/31/2001	997910	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	7/26/2001	997779	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	bb	7/31/2001	997910	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010514**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 23-Jul-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
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	7/18/2001	*997753*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997855*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997857*	
pH (water)	**6.7**	**s.u.**	**#**			150.1	ogtp	7/24/2001	*997725*	

Sample Number: 25107 Matrix: GW
Client ID: **19MW02DP**
Collection: 7/19/2001 Time: 07:40
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/25/2001	*997767*	
Barium - ICAP	**0.09**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	7/31/2001	*997910*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	7/26/2001	*997768*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.008	0.03	200.7	bb	7/31/2001	*997910*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	7/31/2001	*997910*	
Iron - ICAP	**4.3**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	7/31/2001	*997910*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/24/2001	*997733*	
Manganese - ICAP	**0.04**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/7/2001	*997910*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	8/2/2001	*997864*	
Nickel - ICAP	**0.05**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	7/31/2001	*997910*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	8/2/2001	*997877*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	7/31/2001	*997910*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	7/26/2001	*997779*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	bb	7/31/2001	*997910*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	7/18/2001	*997753*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997855*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997857*	
pH (water)	**6.8**	**s.u.**	**#**			150.1	ogtp	7/24/2001	*997725*	

Sample Number: 25108 Matrix: GW
Client ID: **19MW14DP**
Collection: 7/19/2001 Time: 11:45
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/25/2001	*997767*	
Barium - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.007	0.02	200.7	bb	7/31/2001	*997910*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	7/26/2001	*997768*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	7/31/2001	*997910*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	7/31/2001	*997910*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	7/31/2001	*997910*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010514**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 23-Jul-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
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/24/2001	*997733*	
Manganese - ICAP	**0.05**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	8/7/2001	*997910*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	8/2/2001	*997864*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	bb	7/31/2001	*997910*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	8/2/2001	*997877*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	7/31/2001	*997910*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	7/26/2001	*997779*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	bb	7/31/2001	*997910*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	ta	8/6/2001	*997887*	*Preliminary Data*
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997855*	
Cyanide, Total	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997857*	
pH (water)	**6.8**	**s.u.**	#				150.1	ogtp	7/24/2001	*997725*	

Sample Number: 25109 Matrix: GW
Client ID: **19MW15DP**
Collection: 7/19/2001 Time: 12:15
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jb	7/25/2001	*997767*	
Barium - ICAP	**0.08**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	7/31/2001	*997910*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	7/26/2001	*997768*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	7/31/2001	*997910*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/31/2001	*997910*	
Iron - ICAP	**0.15**	**mg/l**	*J*	**RJ**	0.081	0.26	200.7	bb	7/31/2001	*997910*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/24/2001	*997733*	
Manganese - ICAP	**0.16**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	8/7/2001	*997910*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	8/2/2001	*997864*	
Nickel - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	7/31/2001	*997910*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	8/2/2001	*997877*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	7/31/2001	*997910*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	7/26/2001	*997779*	
Zinc - ICAP	**0.06**	**mg/l**		**RJ**	0.014	0.04	200.7	bb	7/31/2001	*997910*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	ta	8/6/2001	*997887*	*Preliminary Data*
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997855*	
Cyanide, Total	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997857*	
pH (water)	**6.7**	**s.u.**	#				150.1	ogtp	7/24/2001	*997725*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010514**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 23-Jul-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: 25110 Matrix: GW
Client ID: **23MW03DP**
Collection: 7/23/2001 Time: 10:20
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	jb	7/25/2001	*997767*	
Barium - ICAP	**0.08**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	7/31/2001	*997910*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	7/26/2001	*997768*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	7/31/2001	*997910*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/31/2001	*997910*	
Iron - ICAP	**2.9**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	7/31/2001	*997910*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/24/2001	*997733*	
Manganese - ICAP	**0.06**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	8/7/2001	*997910*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	8/2/2001	*997864*	
Nickel - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	7/31/2001	*997910*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	8/2/2001	*997877*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	7/31/2001	*997910*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	7/26/2001	*997779*	
Zinc - ICAP	**0.08**	**mg/l**		**RJ**	0.014	0.04	200.7	bb	7/31/2001	*997910*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	ta	8/6/2001	*997887*	*Preliminary Data*
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997855*	
Cyanide, Total	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997857*	
pH (water)	**6.9**	**s.u.**		**#**			150.1	ogtp	7/24/2001	*997725*	

Approved By: _____ **Date:** 8/20/01
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.
8222 W. Calumet Rd., Milwaukee, WI 53223
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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: 25102 QC Prep Batch Number: 997861 Collection: 7/17/2001 Time: 11:40
Client ID: 17MW09SP Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 7/27/2001
Ethylbenzene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 7/27/2001
Hexachlorobutadiene	< 0.42	**ug/l**	0.42	1.3	1		8260	qh	/ 7/27/2001
Isopropyl Ether	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 7/27/2001
Isopropylbenzene	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	/ 7/27/2001
m&p-xylene	< 0.53	**ug/l**	0.53	1.7	1		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	/ 7/27/2001
Methylene chloride	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 7/27/2001
n-Butylbenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	/ 7/27/2001
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	qh	/ 7/27/2001
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	/ 7/27/2001
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 7/27/2001
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 7/27/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 7/27/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 7/27/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 7/27/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 7/27/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 7/27/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	/ 7/27/2001

Sample Number: 25103 QC Prep Batch Number: 997861 Collection: 7/17/2001 Time: 12:10
Client ID: 17MW05DP Sample Description:

1,1,1,2-Tetrachloroethane	< 1.1	**ug/l**	1.1	3.5	5		8260	qh	/ 7/27/2001
1,1,1-Trichloroethane	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 2.2	**ug/l**	2.2	7.0	5		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 2.2	**ug/l**	2.2	7.0	5		8260	qh	/ 7/27/2001
1,1-Dichloroethane	28	**ug/l**	1.6	5.1	5		8260	qh	/ 7/27/2001
1,1-Dichloroethene	5.3	**ug/l**	1.7	5.4	5	J	8260	qh	/ 7/27/2001
1,1-Dichloropropene	< 2.2	**ug/l**	2.2	6.8	5		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 2.5	**ug/l**	2.5	8.0	5		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 2.6	**ug/l**	2.6	8.1	5		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 2.4	**ug/l**	2.4	7.5	5		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	/ 7/27/2001
1,2-Dibromoethane	< 2.3	**ug/l**	2.3	7.3	5		8260	qh	/ 7/27/2001
1,2-Dichlorobenzene	< 1.7	**ug/l**	1.7	5.4	5		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 1.8	**ug/l**	1.8	5.6	5		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 1.6	**ug/l**	1.6	5.1	5		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 1.7	**ug/l**	1.7	5.4	5		8260	qh	/ 7/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 7/27/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 7/27/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 7/27/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 7/27/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 7/27/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 7/27/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/27/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 7/27/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 7/27/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	80	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 7/27/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 7/27/2001
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/27/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 7/27/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/27/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 7/27/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 7/27/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/27/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 7/27/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 7/27/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 7/27/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 7/27/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/27/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/27/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 7/27/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	10	ug/l	1.3	4.0	5		8260	qh	/ 7/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/27/2001
Trichloroethene	527	ug/l	1.7	5.4	5		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 7/27/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	/ 7/27/2001

Sample Number: 25104 QC Prep Batch Number: 997861 Collection: 7/18/2001 Time: 07:20
Client ID: 18MW12DP Sample Description:

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	/ 7/27/2001
1,1,1-Trichloroethane	328	ug/l	1.6	4.9	5		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 7/27/2001
1,1-Dichloroethane	83	ug/l	1.6	5.1	5		8260	qh	/ 7/27/2001
1,1-Dichloroethene	39	ug/l	1.7	5.4	5		8260	qh	/ 7/27/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/27/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 7/27/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 7/27/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 7/27/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 7/27/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 7/27/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 7/27/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 7/27/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 7/27/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/27/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 7/27/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 7/27/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	38	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 7/27/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 7/27/2001
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/27/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/27/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 7/27/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/27/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 7/27/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 7/27/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/27/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 7/27/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 7/27/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 7/27/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 7/27/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/27/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/27/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 7/27/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	22	ug/l	1.3	4.0	5		8260	qh	/ 7/27/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/27/2001
Trichloroethene	127	ug/l	1.7	5.4	5		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 7/27/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	/ 7/27/2001

Sample Number: 25105 QC Prep Batch Number: 997861 Collection: 7/18/2001 Time: 12:20
Client ID: 18MW12BP Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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	/ 7/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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	/ 7/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/27/2001

Sample Number: 25106 QC Prep Batch Number: 997861 Collection: 7/18/2001 Time: 10:20
Client ID: 18MW13SP Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
1,2-Dibromoethane	0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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	/ 7/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Toluene	0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/27/2001

Sample Number: 25107
Client ID: 19MW02DP

QC Prep Batch Number: 997861

Collection: 7/19/2001 Time: 07:40
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/27/2001
Benzene	0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Chloromethane	12	ug/l	0.49	1.6	1		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/27/2001

Sample Number: 25108
Client ID: 19MW14DP

QC Prep Batch Number: 997861

Collection: 7/19/2001 Time: 11:45
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/27/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
Hexachlorobutadiene	0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Trichloroethene	2.6	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/27/2001

Sample Number: 25109 QC Prep Batch Number: 997861 Collection: 7/19/2001 Time: 12:15
Client ID: 19MW15DP Sample Description:

1,1,1,2-Tetrachloroethane	0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	0.78	ug/l	0.27	0.86	1	J	8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Trichloroethene	5.7	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/27/2001

Sample Number: 25110 QC Prep Batch Number: 997861 Collection: 7/23/2001 Time: 10:20
Client ID: 23MW03DP Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001

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

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/27/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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: 25111 QC Prep Batch Number: 997861 Collection: 7/23/2001 Time: 10:20
Client ID: TRIP BLANK Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/27/2001
Chloroform	0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/27/2001

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

WDNR# 241340550

BATCH NUMBER: **20010514**
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 23-Jul-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	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	/ 7/27/2001
Dichlorodifluoromethane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 7/27/2001
Ethylbenzene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 7/27/2001
Hexachlorobutadiene	< 0.42	**ug/l**	0.42	1.3	1		8260	qh	/ 7/27/2001
Isopropyl Ether	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 7/27/2001
Isopropylbenzene	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	/ 7/27/2001
m&p-xylene	< 0.53	**ug/l**	0.53	1.7	1		8260	qh	/ 7/27/2001
Methyl-t-butyl ether	0.39	**ug/l**	0.39	1.2	1		8260	qh	/ 7/27/2001
Methylene chloride	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 7/27/2001
n-Butylbenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	/ 7/27/2001
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	qh	/ 7/27/2001
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	/ 7/27/2001
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 7/27/2001
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 7/27/2001
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 7/27/2001
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 7/27/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 7/27/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 7/27/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	/ 7/27/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 7/27/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 7/27/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 7/27/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 7/27/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	/ 7/27/2001

Approved By: _____ **Date:** 8/2/01

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 **20010515**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 23-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Sample Number: 25112 Matrix: GW
Client ID: **23WA09R**
Collection: 7/23/2001 Time: 09:34
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jb	7/25/2001	*997767*
Barium - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.007	0.02	200.7	bb	7/31/2001	*997845*
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	7/26/2001	*997768*
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	7/31/2001	*997845*
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/31/2001	*997845*
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	7/31/2001	*997845*
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/24/2001	*997733*
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/31/2001	*997845*
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	8/2/2001	*997864*
Nickel - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	7/31/2001	*997845*
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	8/2/2001	*997877*
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	7/31/2001	*997845*
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	7/26/2001	*997779*
Zinc - ICAP	**0.04**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	bb	7/31/2001	*997845*

Sample Number: 25113 Matrix: GW
Client ID: **23WA01P**
Collection: 7/23/2001 Time: 09:10
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jb	7/25/2001	*997767*
Barium - ICAP	**0.09**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	7/31/2001	*997845*
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	7/26/2001	*997768*
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	7/31/2001	*997845*
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/31/2001	*997845*
Iron - ICAP	**0.89**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	7/31/2001	*997845*
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/24/2001	*997733*
Manganese - ICAP	**0.12**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	7/31/2001	*997845*
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	8/2/2001	*997864*
Nickel - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	7/31/2001	*997845*
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	8/2/2001	*997877*
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	7/31/2001	*997845*
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	7/26/2001	*997779*
Zinc - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	bb	7/31/2001	*997845*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010515**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 23-Jul-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
Chlorine, Residual	**<119**	**ug/l**	**RJ**	119	379	330.2	bb	7/30/2001	*997836*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	8/6/2001	*997887*	*Preliminary Data*
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997855*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997857*	
pH (water)	**7.1**	**s.u.**	**#**			150.1	ogtp	7/24/2001	*997725*	
Sulfate	**54**	**mg/l**	**RJ**	10	32	375.4	bb	7/30/2001	*997827*	
Sample Number: 25114 Matrix: GW								Collection: 7/23/2001		Time: 09:38
Client ID: **23WA02P**								Sample Description:		
pH (water)	**9.5**	**s.u.**	**#**			150.1	ogtp	7/24/2001	*997725*	
Sample Number: 25115 Matrix: GW								Collection: 7/23/2001		Time: 09:40
Client ID: **23WA03P**								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	ogtp	7/24/2001	*997725*	
Sample Number: 25116 Matrix: GW								Collection: 7/23/2001		Time: 09:20
Client ID: **23WA05P**								Sample Description:		
pH (water)	**7.2**	**s.u.**	**#**			150.1	ogtp	7/24/2001	*997725*	
Sample Number: 25119 Matrix: GW								Collection: 7/23/2001		Time: 09:15
Client ID: **23WA09P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	8/6/2001	*997887*	*Preliminary Data*
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997855*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/1/2001	*997857*	
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	7/24/2001	*997725*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010515**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 23-Jul-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:** 8/20/01
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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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010515**
DATE REPORTED: 31-Jul-01
DATE RECEIVED: 23-Jul-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: 25113 QC Prep Batch Number: 997850 Collection: 7/23/2001 Time: 09:10
Client ID: 23WA01P 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	/ 7/24/2001
1,1,1-Trichloroethane	107	ug/l	1.6	4.9	5		8260	qh	/ 7/24/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 7/24/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 7/24/2001
1,1-Dichloroethane	20	ug/l	1.6	5.1	5		8260	qh	/ 7/24/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 7/24/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 7/24/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 7/24/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 7/24/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 7/24/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/24/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 7/24/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 7/24/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 7/24/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 7/24/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 7/24/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/24/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 7/24/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 7/24/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 7/24/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/24/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 7/24/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 7/24/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/24/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/24/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 7/24/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 7/24/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/24/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 7/24/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 7/24/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 7/24/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 7/24/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 7/24/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/24/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/24/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 7/24/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 7/24/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 7/24/2001
cis-1,2-Dichloroethene	31	ug/l	1.4	4.3	5		8260	qh	/ 7/24/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 7/24/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 7/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010515**
DATE REPORTED: 31-Jul-01
DATE RECEIVED: 23-Jul-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	/ 7/24/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 7/24/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/24/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 7/24/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/24/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 7/24/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 7/24/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 7/24/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/24/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 7/24/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 7/24/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 7/24/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/24/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 7/24/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 7/24/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/24/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 7/24/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 7/24/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 7/24/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 7/24/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 7/24/2001
Trichloroethene	407	ug/l	1.7	5.4	5		8260	qh	/ 7/24/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 7/24/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	/ 7/24/2001

Sample Number: 25117
Client ID: 23WA07P

QC Prep Batch Number: 997849

Collection: 7/23/2001 Time: 09:25
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010515**
DATE REPORTED: 31-Jul-01
DATE RECEIVED: 23-Jul-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	/ 7/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/24/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
4-Chlorotoluene	0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/24/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010515**
DATE REPORTED: 31-Jul-01
DATE RECEIVED: 23-Jul-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	/ 7/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/24/2001

Sample Number: 25118 QC Prep Batch Number: 997849 Collection: 7/23/2001 Time: 09:28
Client ID: 23WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/24/2001
1,1,2-Trichloroethane	0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/24/2001
1,1-Dichloroethane	0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/24/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/24/2001
Benzene	0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Bromobenzene	0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010515**
DATE REPORTED: 31-Jul-01
DATE RECEIVED: 23-Jul-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	/ 7/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/24/2001
cis-1,2-Dichloroethene	0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/24/2001

Sample Number: 25119
Client ID: 23WA09P

QC Prep Batch Number: 997849

Collection: 7/23/2001 Time: 09:15
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/24/2001
1,2,3-Trichlorobenzene	0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010515**
DATE REPORTED: 31-Jul-01
DATE RECEIVED: 23-Jul-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	/ 7/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/24/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/24/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001

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

WDNR# 241340550

BATCH NUMBER: **20010515**
DATE REPORTED: 31-Jul-01
DATE RECEIVED: 23-Jul-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	/ 7/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/24/2001

Sample Number: 25120 QC Prep Batch Number: 997849 Collection: 7/23/2001 Time: 09:00
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 7/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 7/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 7/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 7/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 7/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 7/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 7/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 7/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/24/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 7/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 7/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 7/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 7/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 7/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010515**
DATE REPORTED: 31-Jul-01
DATE RECEIVED: 23-Jul-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	/ 7/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 7/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 7/24/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 7/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 7/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 7/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 7/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 7/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 7/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 7/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 7/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 7/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 7/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 7/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 7/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 7/24/2001
Tetrachloroethene	0.31	ug/l	0.31	0.99	1		8260	qh	/ 7/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 7/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 7/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 7/24/2001
Trichloroethene	0.34	ug/l	0.34	1.1	1		8260	qh	/ 7/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 7/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 7/24/2001

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

WDNR# 241340550

BATCH NUMBER:	**20010515**
DATE REPORTED:	31-Jul-01
DATE RECEIVED:	23-Jul-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:** 7/31/01

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 **20010544**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Sample Number: 25185 Matrix: GW
Client ID: **010724MW02DP**
Collection: 7/24/2001 Time: 12:25
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	jb	7/31/2001	997843	
Barium - ICAP	0.08	mg/l		RJ	0.007	0.02	200.7	bb	8/2/2001	997869	
Cadmium - Furnace AA	<0.4	ug/l		TTR	0.4	1.3	213.2	jb	7/30/2001	997834	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	bb	8/2/2001	997869	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Iron - ICAP	0.18	mg/l	J	RJ	0.081	0.26	200.7	bb	8/2/2001	997869	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	jb	7/30/2001	997839	
Manganese - ICAP	0.03	mg/l		RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Mercury CV	<0.02	ug/l		RJ	0.02	0.06	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	bb	8/2/2001	997869	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	jb	8/6/2001	997900	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	bb	8/2/2001	997869	
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	jb	8/6/2001	997906	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	bb	8/2/2001	997869	

Sample Number: 25186 Matrix: GW
Client ID: **010724MW03DP**
Collection: 7/24/2001 Time: 11:10
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	jb	7/31/2001	997843	
Barium - ICAP	0.07	mg/l		RJ	0.007	0.02	200.7	bb	8/2/2001	997869	
Cadmium - Furnace AA	<0.4	ug/l		TTR	0.4	1.3	213.2	jb	7/30/2001	997834	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	bb	8/2/2001	997869	
Copper- ICAP	0.008	mg/l	J	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Iron - ICAP	<0.081	mg/l		RJ	0.081	0.26	200.7	bb	8/2/2001	997869	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	jb	7/30/2001	997839	
Manganese - ICAP	0.03	mg/l		RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Mercury CV	<0.02	ug/l		RJ	0.02	0.06	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	bb	8/2/2001	997869	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	jb	8/6/2001	997900	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	bb	8/2/2001	997869	
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	jb	8/6/2001	997906	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	bb	8/2/2001	997869	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010544**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-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: 25187 Matrix: GW
Client ID: **010724MW05DP**
Collection: 7/24/2001 Time: 12:55
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/31/2001	*997843*	
Barium - ICAP	**0.08**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	8/2/2001	*997869*	
Cadmium - Furnace AA	**0.73**	**ug/l**	***J* TTR**	0.4	1.3	213.2	jb	7/30/2001	*997834*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	8/2/2001	*997869*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	8/2/2001	*997869*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/30/2001	*997839*	
Manganese - ICAP	**0.07**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Mercury CV	**<0.02**	**ug/l**	**RJ**	0.02	0.06	245.1	bb	8/6/2001	*997927*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	8/2/2001	*997869*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	8/6/2001	*997900*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	8/2/2001	*997869*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	8/6/2001	*997906*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	8/2/2001	*997869*	

Sample Number: 25188 Matrix: GW
Client ID: **010724MW09SP**
Collection: 7/24/2001 Time: 13:05
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/31/2001	*997843*	
Barium - ICAP	**0.19**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	8/2/2001	*997869*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	7/30/2001	*997834*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	8/2/2001	*997869*	
Copper- ICAP	**0.01**	**mg/l**	***J* RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	8/2/2001	*997869*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/30/2001	*997839*	
Manganese - ICAP	**0.11**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Mercury CV	**<0.02**	**ug/l**	**RJ**	0.02	0.06	245.1	bb	8/6/2001	*997927*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	8/2/2001	*997869*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	8/6/2001	*997900*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	8/2/2001	*997869*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	8/6/2001	*997906*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	8/2/2001	*997869*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010544**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-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: 25189 Matrix: GW
Client ID: **010724MW12BP**
Collection: 7/24/2001 Time: 12:35
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	jb	7/31/2001	*997843*	
Barium - ICAP	**0.06**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	8/2/2001	*997869*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	7/30/2001	*997834*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	8/2/2001	*997869*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Iron - ICAP	**0.87**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	8/2/2001	*997869*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/30/2001	*997839*	
Manganese - ICAP	**0.05**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Mercury CV	**<0.02**	**ug/l**		**RJ**	0.02	0.06	245.1	bb	8/6/2001	*997927*	
Nickel - ICAP	**0.15**	**mg/l**		**RJ**	0.011	0.03	200.7	bb	8/2/2001	*997869*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	8/6/2001	*997900*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	8/2/2001	*997869*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	8/6/2001	*997906*	
Zinc - ICAP	**0.05**	**mg/l**		**RJ**	0.014	0.04	200.7	bb	8/2/2001	*997869*	

Sample Number: 25190 Matrix: GW
Client ID: **010724MW12DP**
Collection: 7/24/2001 Time: 12:45
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jb	7/31/2001	*997843*	
Barium - ICAP	**0.1**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	8/2/2001	*997869*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	7/30/2001	*997834*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	8/2/2001	*997869*	
Copper- ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	8/2/2001	*997869*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	7/30/2001	*997839*	
Manganese - ICAP	**0.03**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Mercury CV	**<0.02**	**ug/l**		**RJ**	0.02	0.06	245.1	bb	8/6/2001	*997927*	
Nickel - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	8/2/2001	*997869*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	8/6/2001	*997900*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	8/2/2001	*997869*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	8/6/2001	*997906*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	bb	8/2/2001	*997869*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010544**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-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: 25191 Matrix: GW
Client ID: **010724MW13SP**
Collection: 7/24/2001 Time: 12:13
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	jb	7/31/2001	*997843*	
Barium - ICAP	**0.03**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	8/2/2001	*997869*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	7/30/2001	*997834*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	8/2/2001	*997869*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	8/2/2001	*997869*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/30/2001	*997839*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Mercury CV	**<0.02**	**ug/l**	**RJ**	0.02	0.06	245.1	bb	8/6/2001	*997927*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	8/2/2001	*997869*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	8/6/2001	*997900*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	8/2/2001	*997869*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	8/6/2001	*997906*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	8/2/2001	*997869*	

Sample Number: 25192 Matrix: GW
Client ID: **010724MW14DP**
Collection: 7/24/2001 Time: 11:20
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	jb	7/31/2001	*997843*	
Barium - ICAP	**0.04**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	8/2/2001	*997869*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	7/30/2001	*997834*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	8/2/2001	*997869*	
Copper- ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	8/2/2001	*997869*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/30/2001	*997839*	
Manganese - ICAP	**0.06**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Mercury CV	**<0.02**	**ug/l**	**RJ**	0.02	0.06	245.1	bb	8/6/2001	*997927*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	8/2/2001	*997869*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	8/6/2001	*997900*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	8/2/2001	*997869*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	8/6/2001	*997906*	
Zinc - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	bb	8/2/2001	*997869*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010544**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-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: 25193 Matrix: GW
Client ID: **010724MW15DP**
Collection: 7/24/2001 Time: 11:00
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	7/31/2001	997843	
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	bb	8/2/2001	997869	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	7/30/2001	997834	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/2/2001	997869	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/2/2001	997869	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/30/2001	997839	
Manganese - ICAP	0.17	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Mercury CV	<0.02	ug/l	RJ	0.02	0.06	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/2/2001	997869	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/6/2001	997900	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/2/2001	997869	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/6/2001	997906	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	bb	8/2/2001	997869	

Sample Number: 25194 Matrix: GW
Client ID: **010726MW12DP**
Collection: 7/26/2001 Time: 11:00
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	7/31/2001	997843	
Barium - ICAP	0.06	mg/l	RJ	0.007	0.02	200.7	bb	8/2/2001	997869	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	7/30/2001	997834	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/2/2001	997869	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/2/2001	997869	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/30/2001	997839	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Mercury CV	<0.02	ug/l	RJ	0.02	0.06	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	8/2/2001	997869	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/6/2001	997900	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/2/2001	997869	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/6/2001	997906	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	bb	8/2/2001	997869	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010544**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-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: 25195 Matrix: GW
Client ID: **010726MW12BP**
Collection: 7/26/2001 Time: 11:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	7/31/2001	997843	
Barium - ICAP	0.06	mg/l	RJ	0.007	0.02	200.7	bb	8/2/2001	997869	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	7/30/2001	997834	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/2/2001	997869	
Copper- ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/2/2001	997869	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/30/2001	997839	
Manganese - ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Mercury CV	<0.02	ug/l	RJ	0.02	0.06	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/2/2001	997869	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/6/2001	997900	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/2/2001	997869	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/6/2001	997906	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	bb	8/2/2001	997869	

Sample Number: 25196 Matrix: GW
Client ID: **010724MW16SP**
Collection: 7/24/2001 Time: 12:15
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	jb	7/31/2001	997843	
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	bb	8/2/2001	997869	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	7/30/2001	997834	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/2/2001	997869	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Iron - ICAP	14	mg/l	RJ	0.081	0.26	200.7	bb	8/2/2001	997869	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/30/2001	997839	
Manganese - ICAP	0.17	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Mercury CV	<0.02	ug/l	RJ	0.02	0.06	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	8/2/2001	997869	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/6/2001	997900	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/2/2001	997869	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/6/2001	997906	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	bb	8/2/2001	997869	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010544**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-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
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	8/6/2001	*997887*	*Preliminary Data*
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/6/2001	*997941*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	tm	8/9/2001	*997931*	
pH (water)	**6.8**	**s.u.**	#			150.1	ogtp	7/30/2001	*997847*	

Sample Number: 25198 Matrix: GW
Client ID: **010726MW12DP**
Collection: 7/26/2001 Time: 11:00
Sample Description: UNFILTERED

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/31/2001	*997843*
Barium - ICAP	**0.07**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	8/2/2001	*997869*
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	7/30/2001	*997834*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	8/2/2001	*997869*
Copper- ICAP	**0.42**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*
Iron - ICAP	**2.3**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	8/2/2001	*997869*
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/30/2001	*997839*
Manganese - ICAP	**0.05**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*
Mercury CV	**<0.02**	**ug/l**	**RJ**	0.02	0.06	245.1	bb	8/6/2001	*997927*
Nickel - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	bb	8/2/2001	*997869*
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	8/6/2001	*997900*
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	8/2/2001	*997869*
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	8/6/2001	*997906*
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	bb	8/2/2001	*997869*

Sample Number: 25199 Matrix: GW
Client ID: **010726MW12BP**
Collection: 7/26/2001 Time: 11:10
Sample Description: UNFILTERED

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/31/2001	*997843*
Barium - ICAP	**0.08**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	8/2/2001	*997869*
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	7/30/2001	*997834*
Chromium, Total - ICAP	**0.1**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	8/2/2001	*997869*
Copper- ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*
Iron - ICAP	**1.6**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	8/2/2001	*997869*
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/30/2001	*997839*
Manganese - ICAP	**0.03**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*
Mercury CV	**<0.02**	**ug/l**	**RJ**	0.02	0.06	245.1	bb	8/6/2001	*997927*
Nickel - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	bb	8/2/2001	*997869*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010544**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-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	jb	8/6/2001	*997900*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	8/2/2001	*997869*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	8/6/2001	*997906*	
Zinc - ICAP	**0.04**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	bb	8/2/2001	*997869*	

Sample Number: 25200 Matrix: GW
Client ID: **010724MW16SP**
Collection: 7/24/2001 Time: 12:15
Sample Description: UNFILTERED

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	7/31/2001	*997843*	
Barium - ICAP	**0.04**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	8/2/2001	*997869*	
Cadmium - Furnace AA	**0.64**	**ug/l**	***J*** **TTR**	0.4	1.3	213.2	jb	7/30/2001	*997834*	
Cadmium-Total Recoverable	**<0.011**	**mg/l**	**RJ**	0.011	0.03	7131	bb	8/2/2001	*997999*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.008	0.03	200.7	bb	8/2/2001	*997869*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Iron - ICAP	**27**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	8/2/2001	*997869*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	7/30/2001	*997839*	
Manganese - ICAP	**0.42**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	8/2/2001	*997869*	
Mercury CV	**<0.02**	**ug/l**	**RJ**	0.02	0.06	245.1	bb	8/6/2001	*997927*	
Nickel - ICAP	**0.07**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	8/2/2001	*997869*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	8/6/2001	*997900*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	8/2/2001	*997869*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	8/6/2001	*997906*	
Zinc - ICAP	**0.07**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	8/2/2001	*997869*	

Approved By: _____ **Date:** 8/20/01
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: **20010544**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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: 25196 QC Prep Batch Number: 997938 Collection: 7/24/2001 Time: 12:15
Client ID: 010724MW16SP 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	zzz	8/1/2001 / 8/1/2001
1,1,1-Trichloroethane	< 1.6	ug/l	1.6	4.9	5		8260	zzz	8/1/2001 / 8/1/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	zzz	8/1/2001 / 8/1/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	zzz	8/1/2001 / 8/1/2001
1,1-Dichloroethane	< 1.6	ug/l	1.6	5.1	5		8260	zzz	8/1/2001 / 8/1/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	8/1/2001 / 8/1/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	zzz	8/1/2001 / 8/1/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	zzz	8/1/2001 / 8/1/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	zzz	8/1/2001 / 8/1/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	zzz	8/1/2001 / 8/1/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	zzz	8/1/2001 / 8/1/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	zzz	8/1/2001 / 8/1/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	8/1/2001 / 8/1/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	zzz	8/1/2001 / 8/1/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	zzz	8/1/2001 / 8/1/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	8/1/2001 / 8/1/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	8/1/2001 / 8/1/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	zzz	8/1/2001 / 8/1/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	zzz	8/1/2001 / 8/1/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	zzz	8/1/2001 / 8/1/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	zzz	8/1/2001 / 8/1/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	zzz	8/1/2001 / 8/1/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	zzz	8/1/2001 / 8/1/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	zzz	8/1/2001 / 8/1/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	8/1/2001 / 8/1/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	zzz	8/1/2001 / 8/1/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	zzz	8/1/2001 / 8/1/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	zzz	8/1/2001 / 8/1/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	zzz	8/1/2001 / 8/1/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	zzz	8/1/2001 / 8/1/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	zzz	8/1/2001 / 8/1/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	zzz	8/1/2001 / 8/1/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	zzz	8/1/2001 / 8/1/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	zzz	8/1/2001 / 8/1/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	8/1/2001 / 8/1/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	zzz	8/1/2001 / 8/1/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	zzz	8/1/2001 / 8/1/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	zzz	8/1/2001 / 8/1/2001
cis-1,2-Dichloroethene	256	ug/l	1.4	4.3	5		8260	zzz	8/1/2001 / 8/1/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	zzz	8/1/2001 / 8/1/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	zzz	8/1/2001 / 8/1/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010544**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	zzz	8/1/2001 / 8/1/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	zzz	8/1/2001 / 8/1/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	8/1/2001 / 8/1/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	zzz	8/1/2001 / 8/1/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	zzz	8/1/2001 / 8/1/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	zzz	8/1/2001 / 8/1/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	zzz	8/1/2001 / 8/1/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	zzz	8/1/2001 / 8/1/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	zzz	8/1/2001 / 8/1/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	zzz	8/1/2001 / 8/1/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	zzz	8/1/2001 / 8/1/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	zzz	8/1/2001 / 8/1/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	8/1/2001 / 8/1/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	zzz	8/1/2001 / 8/1/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	8/1/2001 / 8/1/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	8/1/2001 / 8/1/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	zzz	8/1/2001 / 8/1/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	zzz	8/1/2001 / 8/1/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	zzz	8/1/2001 / 8/1/2001
trans-1,2-Dichloroethene	3.3	ug/l	1.3	4.0	5	J	8260	zzz	8/1/2001 / 8/1/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	8/1/2001 / 8/1/2001
Trichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	8/1/2001 / 8/1/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	zzz	8/1/2001 / 8/1/2001
Vinyl chloride	148	ug/l	1.0	3.2	5		8260	zzz	8/1/2001 / 8/1/2001

Sample Number: 25197 QC Prep Batch Number: 997938 Collection: 7/24/2001 Time: 10:00
Client ID: TRIP BLANK Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010544**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	8/1/2001 / 8/1/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/1/2001 / 8/1/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/1/2001 / 8/1/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/1/2001 / 8/1/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/1/2001 / 8/1/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/1/2001 / 8/1/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/1/2001 / 8/1/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/1/2001 / 8/1/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/1/2001 / 8/1/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/1/2001 / 8/1/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/1/2001 / 8/1/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/1/2001 / 8/1/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/1/2001 / 8/1/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/1/2001 / 8/1/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/1/2001 / 8/1/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/1/2001 / 8/1/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/1/2001 / 8/1/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/1/2001 / 8/1/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/1/2001 / 8/1/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/1/2001 / 8/1/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/1/2001 / 8/1/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/1/2001 / 8/1/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/1/2001 / 8/1/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/1/2001 / 8/1/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/1/2001 / 8/1/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/1/2001 / 8/1/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/1/2001 / 8/1/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/1/2001 / 8/1/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/1/2001 / 8/1/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/1/2001 / 8/1/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/1/2001 / 8/1/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/1/2001 / 8/1/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/1/2001 / 8/1/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/1/2001 / 8/1/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/1/2001 / 8/1/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/1/2001 / 8/1/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/1/2001 / 8/1/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/1/2001 / 8/1/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/1/2001 / 8/1/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/1/2001 / 8/1/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/1/2001 / 8/1/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/1/2001 / 8/1/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/1/2001 / 8/1/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/1/2001 / 8/1/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/1/2001 / 8/1/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010544**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	8/1/2001 / 8/1/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	8/1/2001 / 8/1/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	8/1/2001 / 8/1/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	8/1/2001 / 8/1/2001

Approved By: _____ **Date:** 8/9/01

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 **20010545**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Sample Number: 25201 Matrix: GW
Client ID: **010730WA09R**
Collection: 7/30/2001 Time: 09:43
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	jb	7/31/2001	997843	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	bb	8/2/2001	997869	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	7/30/2001	997834	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/2/2001	997869	
Copper- ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Iron - ICAP	0.1	mg/l	J RJ	0.081	0.26	200.7	bb	8/2/2001	997869	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/30/2001	997839	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	8/2/2001	997869	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/6/2001	997900	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/2/2001	997869	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/6/2001	997906	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/2/2001	997869	

Sample Number: 25202 Matrix: GW
Client ID: **010730WA01P**
Collection: 7/30/2001 Time: 09:30
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	jb	7/31/2001	997843	
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	bb	8/2/2001	997869	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	7/30/2001	997834	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/2/2001	997869	
Copper- ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Iron - ICAP	0.85	mg/l	RJ	0.081	0.26	200.7	bb	8/2/2001	997869	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	7/30/2001	997839	
Manganese - ICAP	0.14	mg/l	RJ	0.006	0.02	200.7	bb	8/2/2001	997869	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	8/2/2001	997869	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/6/2001	997900	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/2/2001	997869	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/6/2001	997906	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/2/2001	997869	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010545**
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 30-Jul-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
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	8/6/2001	*997887*	*Preliminary Data*
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/6/2001	*997941*	
Cyanide, Total	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/6/2001	*997940*	
pH (water)	**7.1**	**s.u.**	**#**			150.1	ogtp	7/30/2001	*997847*	
Sample Number: 25203 Matrix: GW								Collection: 7/30/2001		Time: 09:45
Client ID: **010730WA02P**								Sample Description:		
pH (water)	**9.5**	**s.u.**	**#**			150.1	ogtp	7/30/2001	*997847*	
Sample Number: 25204 Matrix: GW								Collection: 7/30/2001		Time: 09:47
Client ID: **010730WA03P**								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	ogtp	7/30/2001	*997847*	
Sample Number: 25205 Matrix: GW								Collection: 7/30/2001		Time: 09:25
Client ID: **010730WA05P**								Sample Description:		
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	7/30/2001	*997847*	
Sample Number: 25208 Matrix: GW								Collection: 7/30/2001		Time: 09:38
Client ID: **010730WA09P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	8/6/2001	*997887*	*Preliminary Data*
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/6/2001	*997941*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	8/6/2001	*997940*	
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	7/30/2001	*997847*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010545**
DATE REPORTED:	20-Aug-01
DATE RECEIVED:	30-Jul-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:** 8/20/01

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: **20010545**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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: 25202 QC Prep Batch Number: 997938 Collection: 7/30/2001 Time: 09:30
Client ID: 010730WA01P 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	8/1/2001 / 8/1/2001
1,1,1-Trichloroethane	104	ug/l	1.6	4.9	5		8260	qh	8/1/2001 / 8/1/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/1/2001 / 8/1/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/1/2001 / 8/1/2001
1,1-Dichloroethane	19	ug/l	1.6	5.1	5		8260	qh	8/1/2001 / 8/1/2001
1,1-Dichloroethene	9.0	ug/l	1.7	5.4	5		8260	qh	8/1/2001 / 8/1/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	8/1/2001 / 8/1/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	8/1/2001 / 8/1/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	8/1/2001 / 8/1/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	8/1/2001 / 8/1/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/1/2001 / 8/1/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	8/1/2001 / 8/1/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/1/2001 / 8/1/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	8/1/2001 / 8/1/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	8/1/2001 / 8/1/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/1/2001 / 8/1/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/1/2001 / 8/1/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/1/2001 / 8/1/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/1/2001 / 8/1/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/1/2001 / 8/1/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/1/2001 / 8/1/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	8/1/2001 / 8/1/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	8/1/2001 / 8/1/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/1/2001 / 8/1/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/1/2001 / 8/1/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	8/1/2001 / 8/1/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	8/1/2001 / 8/1/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/1/2001 / 8/1/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/1/2001 / 8/1/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/1/2001 / 8/1/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	8/1/2001 / 8/1/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/1/2001 / 8/1/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	8/1/2001 / 8/1/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/1/2001 / 8/1/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/1/2001 / 8/1/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	8/1/2001 / 8/1/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/1/2001 / 8/1/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	8/1/2001 / 8/1/2001
cis-1,2-Dichloroethene	32	ug/l	1.4	4.3	5		8260	qh	8/1/2001 / 8/1/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/1/2001 / 8/1/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	8/1/2001 / 8/1/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010545**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	8/1/2001 / 8/1/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/1/2001 / 8/1/2001
Ethylbenzene	1.3	ug/l	1.3	4.0	5		8260	qh	8/1/2001 / 8/1/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	8/1/2001 / 8/1/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/1/2001 / 8/1/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/1/2001 / 8/1/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	8/1/2001 / 8/1/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/1/2001 / 8/1/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/1/2001 / 8/1/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/1/2001 / 8/1/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	8/1/2001 / 8/1/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	8/1/2001 / 8/1/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/1/2001 / 8/1/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/1/2001 / 8/1/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/1/2001 / 8/1/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/1/2001 / 8/1/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/1/2001 / 8/1/2001
Tetrachloroethene	2.9	ug/l	1.6	4.9	5	J	8260	qh	8/1/2001 / 8/1/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	8/1/2001 / 8/1/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/1/2001 / 8/1/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/1/2001 / 8/1/2001
Trichloroethene	364	ug/l	1.7	5.4	5		8260	qh	8/1/2001 / 8/1/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/1/2001 / 8/1/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	8/1/2001 / 8/1/2001

Sample Number: 25206 QC Prep Batch Number: 997938 Collection: 7/30/2001 Time: 09:28
Client ID: 010730WA07P Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010545
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	zzz	8/1/2001 / 8/1/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	zzz	8/1/2001 / 8/1/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	zzz	8/1/2001 / 8/1/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	zzz	8/1/2001 / 8/1/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	zzz	8/1/2001 / 8/1/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	zzz	8/1/2001 / 8/1/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	zzz	8/1/2001 / 8/1/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	zzz	8/1/2001 / 8/1/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	zzz	8/1/2001 / 8/1/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	zzz	8/1/2001 / 8/1/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	zzz	8/1/2001 / 8/1/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	zzz	8/1/2001 / 8/1/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	zzz	8/1/2001 / 8/1/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	zzz	8/1/2001 / 8/1/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	zzz	8/1/2001 / 8/1/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	zzz	8/1/2001 / 8/1/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	zzz	8/1/2001 / 8/1/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	zzz	8/1/2001 / 8/1/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	zzz	8/1/2001 / 8/1/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
Toluene	0.29	ug/l	0.29	0.92	1		8260	zzz	8/1/2001 / 8/1/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010545**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	zzz	8/1/2001 / 8/1/2001
Trichloroethene	1.3	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	zzz	8/1/2001 / 8/1/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	zzz	8/1/2001 / 8/1/2001

Sample Number: 25207 QC Prep Batch Number: 997938 Collection: 7/30/2001 Time: 09:35
Client ID: 010730WA08P Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010545**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	zzz	8/1/2001 / 8/1/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	zzz	8/1/2001 / 8/1/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	zzz	8/1/2001 / 8/1/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	zzz	8/1/2001 / 8/1/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	zzz	8/1/2001 / 8/1/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	zzz	8/1/2001 / 8/1/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	zzz	8/1/2001 / 8/1/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	zzz	8/1/2001 / 8/1/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	zzz	8/1/2001 / 8/1/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	zzz	8/1/2001 / 8/1/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	zzz	8/1/2001 / 8/1/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	zzz	8/1/2001 / 8/1/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	zzz	8/1/2001 / 8/1/2001

Sample Number: 25208
Client ID: 010730WA09P

QC Prep Batch Number: 997938

Collection: 7/30/2001 Time: 09:38
Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010545
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	zzz	8/1/2001 / 8/1/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	zzz	8/1/2001 / 8/1/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	zzz	8/1/2001 / 8/1/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	zzz	8/1/2001 / 8/1/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	zzz	8/1/2001 / 8/1/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	zzz	8/1/2001 / 8/1/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	zzz	8/1/2001 / 8/1/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	zzz	8/1/2001 / 8/1/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	zzz	8/1/2001 / 8/1/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	zzz	8/1/2001 / 8/1/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	zzz	8/1/2001 / 8/1/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	zzz	8/1/2001 / 8/1/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	zzz	8/1/2001 / 8/1/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	zzz	8/1/2001 / 8/1/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	zzz	8/1/2001 / 8/1/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	zzz	8/1/2001 / 8/1/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	zzz	8/1/2001 / 8/1/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	zzz	8/1/2001 / 8/1/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	zzz	8/1/2001 / 8/1/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	zzz	8/1/2001 / 8/1/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	zzz	8/1/2001 / 8/1/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010545**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	zzz	8/1/2001 / 8/1/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	zzz	8/1/2001 / 8/1/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	zzz	8/1/2001 / 8/1/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	zzz	8/1/2001 / 8/1/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	zzz	8/1/2001 / 8/1/2001

Sample Number: 25209 QC Prep Batch Number: 997938 Collection: 7/30/2001 Time: 10:00
Client ID: TRIP BLANK Sample Description:

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010545**
DATE REPORTED: 09-Aug-01
DATE RECEIVED: 30-Jul-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	zzz	8/1/2001 / 8/1/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	zzz	8/1/2001 / 8/1/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	zzz	8/1/2001 / 8/1/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	zzz	8/1/2001 / 8/1/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	zzz	8/1/2001 / 8/1/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	zzz	8/1/2001 / 8/1/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	zzz	8/1/2001 / 8/1/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	zzz	8/1/2001 / 8/1/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	zzz	8/1/2001 / 8/1/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	zzz	8/1/2001 / 8/1/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	zzz	8/1/2001 / 8/1/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	zzz	8/1/2001 / 8/1/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	zzz	8/1/2001 / 8/1/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	zzz	8/1/2001 / 8/1/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	zzz	8/1/2001 / 8/1/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	zzz	8/1/2001 / 8/1/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	zzz	8/1/2001 / 8/1/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	zzz	8/1/2001 / 8/1/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	zzz	8/1/2001 / 8/1/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	zzz	8/1/2001 / 8/1/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	zzz	8/1/2001 / 8/1/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	zzz	8/1/2001 / 8/1/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	zzz	8/1/2001 / 8/1/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010545**
DATE REPORTED:	09-Aug-01
DATE RECEIVED:	30-Jul-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:** 8/9/01

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.