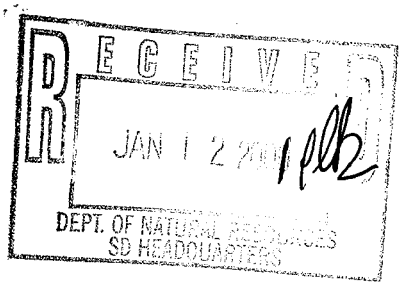


January 15, 2001

Mr. Paul Kozol
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Re: Monthly Monitoring Report for the Oconomowoc Groundwater Treatment Facility

Dear Mr. Kozol:

Attached is the Monthly Monitoring Report for December, 2000 for the above referenced project. Questions regarding these reports should be directed to James Chang of APL, Inc. at (414) 355-5800.

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

Sincerely,

Dean Groleau

Dean Groleau, Plant Superintendent
APL, Inc.

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

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

MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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

January 15, 2001

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for December, 2000. The OEGTP is located at the site of the former Oconomowoc Electroplating Company, in Ashippun, WI.

Laboratory results of effluent sampling can be found in the Discharge Monitoring Report Form, sent under separate cover. The effluent sampling was conducted by Dean Groleau of APL, Inc. Laboratory analysis was provided by APL, Inc., 8222 W. Calumet Road, Milwaukee WI 53223 and En Chem, Inc., 525 Science Drive, Madison, WI 53711. All sampling and analyses were conducted in accordance with the Oconomowoc Electroplating Groundwater Treatment System's Chemical Data Acquisition Plan (CDAP). The parameters tested for, frequency of testing, sample type, and limits are set forth in the Final Discharge Limits, Table 1 of the Oconomowoc Electroplating Superfund Site Limits and Requirements for Discharge of Treated Groundwater, issued by the Wisconsin Department of Natural Resources (WDNR) on September 24, 1996. This report is submitted in accordance with the reporting requirements of the WDNR permit.

1.1 Site Background Review

The OEGTP is located at 2572 Oak Street in Ashippun, Wisconsin, in the NW 1/4 of the SE 1/4 of Section 30, Township 30 North, Range 17 East. The site consists of approximately 10 acres, which includes approximately 3.5 acres of the former electroplating facility. The site is bounded by Oak Street (Highway 'O') and Eva Street to the North, and Davey Creek and the Town of Ashippun's garage facilities to the South. The property directly across Oak Street is occupied by Thermogas, Inc. A residential area is located across Eva Street, and a wetlands surrounds Davey Creek.

The contact person is Steven Brossart of the U.S. Army Corps of Engineers (USACE). Mr. Brossart's phone number is (507) 454-6150, Fax (507) 454-4963. APL, Inc. is contracted by the USACE to operate and maintain the plant. The contact for the Treatment Plant is Dean Groleau who can be reached at (920) 474-3212, Fax (920) 474-4241. The contact for APL, Inc. is James Chang, who can be reached at (414) 355-5800, Fax (414) 355-3099.

1.2 Project Objectives

The objective of this project is to prevent the spreading of any plume of contamination that may exist at the site. Contaminated groundwater is pumped from five extraction wells, treated for cyanide, metals, suspended solids, and volatile organic compounds (VOC's). The treated water is then transferred to a groundwater effluent gallery, located south of Elm Street, near Davey Creek.

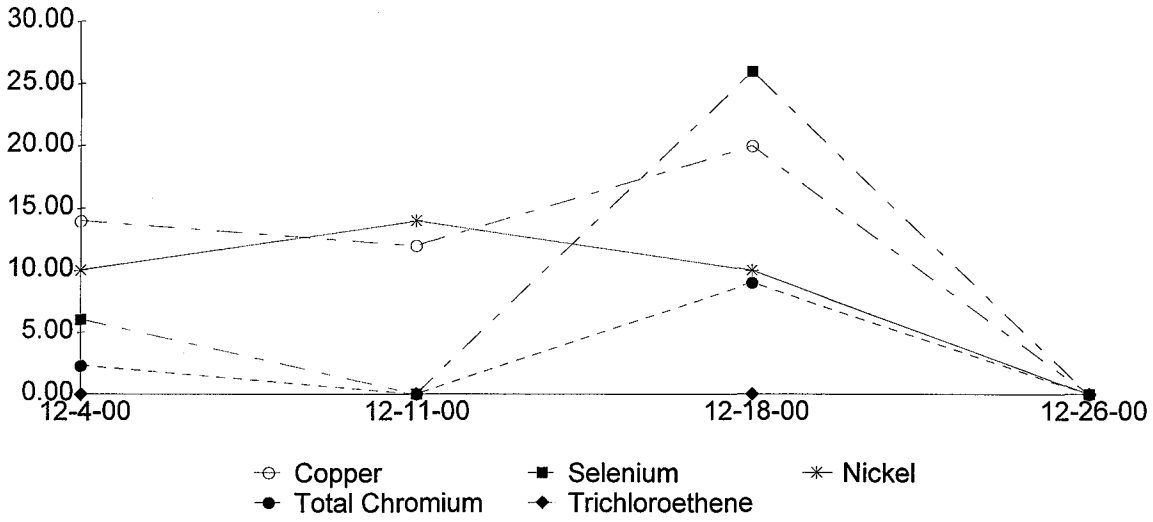
1.3 Effluent Monitoring

Weekly monitoring was conducted on December 4, 11, 18, and 26. The weekly samples for December were tested by APL, Inc. The monthly samples that were taken on December 4, were split-sampled and, also, sent to En Chem, Inc. located in Madison, WI. This was requested by the USACE and will be conducted quarterly for their QA requirements. The results of the effluent monitoring tests for the samples taken in December showed an exceedence of Total Chromium and Selenium on the WDNR effluent discharge permit.

1.4 Monitoring Results

Results from weekly effluent monitoring can be found in the *Discharge Monitoring Report Form*, sent to the state of Wisconsin Department of Natural Resources. 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 Extraction Well Monitoring

Another round of Extraction and Water Well sampling was conducted on December 4. The Extraction and Water Well sampling is conducted on a quarterly basis. The results of the Extraction and Water Wells' analyses are enclosed with this report.

1.6 Monitoring Well Sampling

Another round of Monitoring Well sampling was conducted on December 7 and 11. The Monitoring Well sampling is conducted on a quarterly basis. The results of the Monitoring Wells' analyses are enclosed with this report.

2.0 Plant Permit Exceedences

Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Total Chromium from the December 11 split-sampling. The December 11 results of the split-sampling of Total Chromium was 11 ug/l and 9 ug/l. The permit limit for Total Chromium is 10 ug/l. Mr. Kozol allowed the plant to continue to operate based on the lab re-running the samples and the results for both samples were "Less Than the Level of Detection." There was a result of 9 ug/l of

Total Chromium detected on the December 18 sampling. There was a "Less Than the Level of Detection" of Total Chromium on the December 26 sampling.

The results of the December 18 weekly sampling round showed an exceedence in Selenium and that Nickel equaled the limits listed in the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*. The December 18, Selenium result was 26 ug/l and the permit limit is 10 ug/l. The December 18, Total Chromium result was 20 ug/l and the permit limit is 20 ug/l. A request to re-run the samples was made and, Paul Kozol, Project Manager from the WDNR, was notified about the exceedences. After re-running the samples, the Total Chromium result was 10 ug/l and the Selenium result stayed the same (26 ug/l). Mr. Kozol allowed the treatment plant to continue operating based on the history of very little Selenium being detected in the influent. There was a "Less Than the Level of Detection" of Total Chromium and Selenium on the December 26 sampling.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down three times for a total of 2.75 hours in December, 2000. The shut downs were due to acid cleaning of the Metals Package Piping, to clean RMT-301 and FT-311, and to Install an Acid Injection Port. Table 1 shows the summary of the plant down times for the month of December, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
12-5-00	1.25	Shut Down to Acid Clean Metals Package Piping
12-6-00	0.83	Shut Down to Clean RMT-301 & FT-311
12-28-00	0.67	Shut Down to Install an Acid Injection Port
TOTAL	**2.75**	

3.1 Shut Down to Acid Clean Metals Package Piping

On December 5, the treatment plant was shut down for 1.25 hours to acid clean the piping in the Metals Package. The Cyanide Reaction Tanks' (CRT-201/211) isolation valve could not be closed and the Treatment Plant Flow's Motor Operated Valve (MOV-113) could not be adjusted. The Cyanide Reaction Tanks' isolation valve was removed, cleaned, and lubricated. It was

reinstalled and all of the piping was drained. An inhibited Muriatic Acid solution was injected into the piping using the Acid Injection Pump and allowed to react for one hour. The treatment plant was restarted and the piping was flushed out. MOV-113 still could not be adjusted but the flow through the treatment plant had increased by 2.5 gpm. Plans were made to remove the valve in the near future. Total down time was 1.25 hours. APL Inc., WDNR, and USACE were notified.

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

On December 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 replacing the Treatment Plant Flow's Motor Operated Valve (MOV-113) with manual ball valve. Total down time was 0.83 hours. APL Inc., WDNR, and USACE were notified.

3.3 Shut Down to Install an Acid Injection Port

On December 28, the treatment plant was shut down and the piping from the Equalization Tank (EQT-100) to the Cyanide Reaction Tank (CRT-201) was isolated and drained. An Acid Injection Port was installed before the Treatment Plant Influent Valve (old MOV-113). While the Treatment Plant Influent Valve (old MOV-113) was removed, it was acid cleaned and exercised. The piping was reassembled and the treatment plant was re-started. Total down time was 0.67 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 2 times during the month of December 2000. It was filled and emptied on December 8 and 20. The dewatered sludge is sampled 1 time during the 90 day period after the initial emptying of the press into the new hopper. We have 90 days after the initial opening of the press and dumping into the new hopper to have it removed from the site. The sludge was sampled on October 24, 2000. The first filter press load of dewatered sludge that was added to the new hopper occurred on October 24. The dewatered sludge hopper removal date is January 21. There are 9 filter press loads of dewatered sludge in the hopper.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on December 4, 11, 18, and 26 of 2000. Another round of Extraction and Monitoring Wells' sampling was conducted in December of 2000. Split-sampling and analysis was conducted on the December 4 samples. The USACE exercised their option to split-sample the effluent for their QA analysis by an outside laboratory. This is conducted on a quarterly basis. The laboratory results of the samples showed that Total Chromium and Selenium 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 December, 2000, the plant was shut down three times for a total of 2.75 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 January 15, 2001.

The Filter Press was filled and emptied 2 times during the month of December, 2000. A new hopper was set up on October 12. The hopper has 9 Filter Press fillings in it at the end of December, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	12-04-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	9.5	N/A	N/A	7.2/7.2	Monitor	
TSS	40.5	NT	NT	NT	765/<5.9	Monitor	mg/l
Arsenic	<5.6	<5.6	<5.6	NT	<5.6/0.36	5	
Barium	111	12	12	NT	12/8.5	400	
Cadmium	<0.4	<0.4	<0.4	NT	<0.4/0.19	0.5	
Cadmium Total Recoverable	<0.4	<0.4	<0.4	NT	<0.4/0.08	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2/<6.7	Monitor	
Chromium Total	<8	<8	<8	NT	<8/2.3	10	
Copper	11	<6	<10	NT	14/2.2	Monitor	
Iron	946	<81	<81	NT	<81/59	Monitor	
Lead	1.747	1.955	4.866	NT	<1.5/0.19	1.5	
Manganese	156	<6	6	NT	<6/0.89	Monitor	
Mercury	<0.2	<0.2	<0.2	NT	<0.2/<0.021	0.2	
Nickel	30	<11	12	NT	<11/10	20	
Selenium	30.38	<4.8	<4.8	NT	6.04/0.77	10	
Silver	<4	<4	<4	NT	<4/<0.034	10	
Thallium	<1.3	<1.3	<1.3	NT	<1.3/0.15	0.4	
Zinc	<14	<14	<14	NT	<14/3.5	Monitor	
Cyanide	20	<6	NT	NT	<6/<140	40	
Cyanide Amenable	<6	<6	NT	NT	<6/1.3	Monitor	
1,1-Dichloroethane	21	NT	<0.32	<0.32	<0.32/<0.61	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35/<0.54	0.5	
1,1-Dichloroethene	11	NT	<0.34	<0.34	<0.34/<0.47	0.7	
1,2-Dichloroethene Cis	35	NT	0.27	<0.27	<0.27/<0.46	7	
1,2-Dichloroethene Trans	11	NT	<0.25	<0.25	<0.25/<0.64	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25/<0.5	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3/<0.38	0.5	
Tetrachloroethene	4.1	NT	<0.31	<0.31	<0.31/<0.41	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29/<0.4	68	
1,1,1-Trichloroethane	104	NT	<0.31	<0.31	<0.31/<0.53	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44/<0.47	0.5	
TCE	367	NT	1.4	<0.34	<0.34/<0.49	0.5	
Vinyl Chloride	1.2	NT	<0.2	<0.2	<0.2/<0.17	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53/<1.2	124	
COD	14	NT	NT	NT	21/<2.6	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1/<0.098	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.3/1.5	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	<0.1/<0.04	Monitor	mg/l

NT = Not Tested.
N/A = Not Applicable at this time.
ug/l = Micrograms per Liter.
mg/l = Milligrams per Liter.
Second Reading Is From the USACE QA Sampling Comparison on Effluent with En Chem, Inc.

APL, Inc. TSS result was resampled on December 18.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results — Date: 12-11-00

Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11.5	N/A	N/A	7.1	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6/<5.6	5	
Barium	117	NT	NT	NT	7/11	400	
Cadmium	<0.4	NT	NT	NT	<0.4/<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4/<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8/<8	10	
Copper	8	NT	NT	NT	12/<6	Monitor	
Iron	1570	NT	NT	NT	<81/<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5/<1.5	1.5	
Manganese	164	NT	NT	NT	<6/<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2/<0.2	0.2	
Nickel	36	NT	NT	NT	12/14	20	
Selenium	<4.8	NT	NT	NT	<4.8/<4.8	10	
Silver	<4	NT	NT	NT	5/<4	10	
Thallium	<1.3	NT	NT	NT	<1.3/<1.3	0.4	
Zinc	15	NT	NT	NT	<14/<14	Monitor	
Cyanide	26	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	30	19	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	<0.7	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	11	5.2	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	48	30	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	13	7.3	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	<0.5	0.31	<0.25	<0.25	140	
Methylene Chloride	<1.5	<0.6	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	5	2.3	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	<0.58	3	<0.29	<0.29	68	
1,1,1-Trichloroethane	129	73	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	<0.88	<0.44	<0.44	<0.44	0.5	
TCE	492	290	0.73	<0.34	<0.34	0.5	
Vinyl Chloride	<1	<0.4	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	<1.1	0.67	<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.

Effluent Composite Sample Was Duplicated.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	12-18-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.5	N/A	N/A	7.3	Monitor	
TSS	NT	NT	NT	NT	3	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	9	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	9	10	
Copper	30	NT	NT	NT	20	Monitor	
Iron	1000	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	140	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	10	20	
Selenium	<4.8	NT	NT	NT	26	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	10	NT	NT	NT	<14	Monitor	
Cyanide	10	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	30	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	14	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	51	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	14	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	6.2	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	156	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	500	NT	0.63	<0.34	<0.34	0.5	
Vinyl Chloride	1.5	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.

Effluent TSS was a re-testing/sampling to verify 12-4-00 results.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results — Date: 12-26-00

Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.8	11.5	N/A	N/A	7.3	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	11	NT	NT	NT	<5.6	5	
Barium	100	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	860	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	140	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	<11	20	
Selenium	17	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<11	Monitor	
Cyanide	10	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	29	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	47	NT	0.32	<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	4.3	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	142	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	470	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.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

EXTRACTION WELLS					Date:	(ug/l) 12/4/00
Parameter	EW-1	EW-2	EW-3	EW-4	EW-5	WW-1
pH	6.9	6.9	7	6.9	7.2	7.1
Arsenic	<5.6	<5.6	7.875	<5.6	<5.6	<5.6
Barium	71	94	131	135	135	315
Cadmium	<0.4	<0.4	3.108	<0.4	<0.4	<0.4
Cadmium Total Recoverable	<0.4	<0.4	2.678	<0.4	<0.4	<0.4
Chromium +6	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
Chromium Total	<8	41	8	10	<8	<8
Copper	<6	<6	9	9	<6	16
Iron	491	11,900	2290	1760	3160	121
Lead	1.955	2.579	1.539	2.163	<1.5	4.034
Manganese	243	76	80	367	103	<6
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	35	18	15	109	<11	<11
Selenium	6.04	5.589	<4.8	7.392	<4.8	<4.8
Silver	<4	<4	<4	<4	<4	<4
Thallium	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Zinc	<14	<14	<14	20	30	21
Cyanide	18	<6	<6	27	37	<6
Cyanide Amenable	<6	<6	<6	<6	<6	<6
1,1-Dichloroethane	<0.32	1.7	11	30	75	<0.32
1,2-Dichloroethane	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethene	<0.34	<0.34	3.7	44	11	<0.34
1,2-Dichloroethene Cis	0.92	9.8	21	87	85	<0..27
1,2-Dichloroethene Tran	<0.25	3.2	1.4	63	6.2	<0.25
Ethylbenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Tetrachloroethene	<0.31	<0.31	<0.31	23	0.65	<0.31
Toluene	<0.29	<0.29	<0.29	<0.29	0.41	<0.29
1,1,1-Trichloroethane	<0.31	<0.31	6.8	501	131	<0.31
1,1,2-Trichloroethane	<0.44	<0.44	<0.44	<0.44	0.94	<0.44
TCE	6.7	15	91	1080	700	<0.34
Vinyl Chloride	<0.2	<0.2	0.43	3.3	1.6	<0.2
Xylene Total	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL				Date:		(ug/l) DEC. 2000	
Parameter	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP	
pH	7.11	DRY	DRY	7.56	DRY	COVERED	
Conductivity	1296	NT	NT	950	NT	NT	uMHOS/CM
Arsenic	<5.6	NT	NT	<5.6	NT	NT	
Barium	101	NT	NT	103	NT	NT	
Cadmium	<0.4	NT	NT	<0.4	NT	NT	
Cadmium Total Recoverable	<0.4	NT	NT	<0.4	NT	NT	
Chromium +6	<4.2	NT	NT	<4.2	NT	NT	
Chromium Total	<8	NT	NT	20	NT	NT	
Copper	<6	NT	NT	7	NT	NT	
Iron	1420	NT	NT	2610	NT	NT	
Lead	<1.5	NT	NT	<1.5	NT	NT	
Manganese	44	NT	NT	114	NT	NT	
Mercury	<0.2	NT	NT	<0.2	NT	NT	
Nickel	12	NT	NT	14	NT	NT	
Selenium	<4.8	NT	NT	<4.8	NT	NT	
Silver	<4	NT	NT	<4	NT	NT	
Thallium	<1.3	NT	NT	<1.3	NT	NT	
Zinc	37	NT	NT	44	NT	NT	
Cyanide	<6	NT	NT	15	NT	NT	
Cyanide Free	<6	NT	NT	<6	NT	NT	
1,1-Dichloroethane	<0.32	NT	NT	31	NT	NT	
1,2-Dichloroethane	<0.35	NT	NT	<3.5	NT	NT	
1,1-Dichloroethene	<0.34	NT	NT	<3.4	NT	NT	
1,2-Dichloroethene Cis	1	NT	NT	62	NT	NT	
1,2-Dichloroethene Trans	<0.25	NT	NT	7.6	NT	NT	
Ethylbenzene	<0.25	NT	NT	<2.5	NT	NT	
Methylene Chloride	<0.3	NT	NT	<3	NT	NT	
Tetrachloroethene	<0.31	NT	NT	<3.1	NT	NT	
Toluene	<0.29	NT	NT	<2.9	NT	NT	
1,1,1-Trichloroethane	<0.31	NT	NT	<3.1	NT	NT	
1,1,2-Trichloroethane	<0.44	NT	NT	<4.4	NT	NT	
TCE	0.51	NT	NT	572	NT	NT	
Vinyl Chloride	<0.2	NT	NT	<2	NT	NT	
Xylene Total	<0.53	NT	NT	<5.3	NT	NT	
Temperature (C)	11.1	NT	NT	8.8	NT	NT	

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) DEC. 2000	
Parameter	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP	
pH	7.51	7.09	7.54	6.79	7.39	7.64	
Conductivity	714	1239	776	648	1259	2287	uMHOS/CM
Arsenic	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	
Barium	111	84	49	40	129	34	
Cadmium	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
Cadmium Total Recoverable	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
Chromium +6	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	
Chromium Total	33	9	902	<8	9	12	
Copper	15	102	7	<6	6	<6	
Iron	671	1300	6870	<81	82	14400	
Lead	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	
Manganese	111	58	87	61	297	378	
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Nickel	143	38	58	12	<11	34	
Selenium	<4.8	11.243	19.273	<4.8	<4.8	<4.8	
Silver	<4	<4	<4	<4	<4	<4	
Thallium	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	
Zinc	29	30	30	15	14	63	
Cyanide	<6	11	16	<6	6	12	
Cyanide Free	<6	<6	16	<6	<6	<6	
1,1-Dichloroethane	<0.32	129	<0.32	<0.32	<0.32	<0.32	
1,2-Dichloroethane	<0.35	1.6	<0.35	<0.35	<0.35	<0.35	
1,1-Dichloroethene	<0.34	45	<0.34	<0.34	<0.34	<0.34	
1,2-Dichloroethene Cis	<0.27	30	<0.27	<0.27	<0.27	<0.27	
1,2-Dichloroethene Trans	<0.25	11	<0.25	<0.25	<0.25	<0.25	
Ethylbenzene	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	
Methylene Chloride	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	
Tetrachloroethene	<0.31	<0.62	<0.31	<0.31	<0.31	<0.31	
Toluene	<0.29	<0.58	<0.29	<0.29	<0.29	<0.29	
1,1,1-Trichloroethane	<0.31	133	<0.31	<0.31	<0.31	<0.31	
1,1,2-Trichloroethane	<0.44	<0.88	<0.44	<0.44	<0.44	<0.44	
TCE	<0.34	33	1.4	<0.34	<0.34	<0.34	
Vinyl Chloride	<0.2	1.8	<0.2	<0.2	<0.2	<0.2	
Xylene Total	<0.53	<1.1	<0.53	<0.53	<0.53	<0.53	
Temperature (C)	7.8	7	8.5	11.5	12.4	6.7	

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL		FEET	
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
July 31, 1998	6.64	DRY	3.74	4.26	8.00	COVERED
Aug. 31, 1998	7.70	DRY	DRY	5.34	8.70	COVERED
Sept. 17, 1998	7.50	DRY	DRY	5.00	8.66	COVERED
Oct. 7, 1998	6.50	DRY	3.75	4.10	8.34	COVERED
Nov. 23, 1998	6.66	DRY	DRY	4.37	8.17	COVERED
Dec. 15, 1998	5.90	DRY	3.40	3.75	8.20	COVERED
Jan. 18, 1999	6.60	DRY	3.75	4.72	8.25	COVERED
Feb. 3, 1999	5.36	6.10	3.15	2.90	7.15	COVERED
Mar. 3-4, 1999	5.51	DRY	3.20	3.04	7.40	COVERED
Apr. 15, 1999	5.30	6.20	3.25	4.40	6.92	COVERED
May 10, 1999	5.50	6.35	3.35	3.40	7.05	COVERED
June 18, 1999	4.95	6.05	3.00	3.22	6.81	COVERED
July 13, 1999	6.30	DRY	3.80	4.05	7.90	COVERED
August 06, 1999	6.37	DRY	3.58	4.00	7.65	COVERED
Sept. 15, 20, 1999	7.68	DRY	DRY	5.60	DRY	COVERED
October 06, 1999	6.60	DRY	3.84	4.14	DRY	COVERED
November 9,1999	7.78	DRY	DRY	5.48	DRY	COVERED
December 6-7, 1999	6.70	DRY	DRY	4.50	DRY	COVERED
January 7, 2000	7.50	DRY	DRY	5.10	DRY	COVERED
February 7, 2000	7.60	DRY	DRY	5.25	DRY	COVERED
March 8, 2000	6.81	6.40	4.30	4.24	6.82	COVERED
April 6, 2000	6.95	6.16	4.42	4.87	6.42	COVERED
May 3, 2000	6.63	DRY	3.98	4.42	DRY	COVERED
June 1, 2000	4.40	3.14	4.30	2.36	6.26	COVERED
July 3, 2000	4.97	4.81	2.84	2.85	DRY	COVERED
August 3, 2000	6.94	DRY	4.85	4.46	DRY	COVERED
September 6-7, 2000	6.92	DRY	4.29	4.75	DRY	COVERED
October 4, 2000	6.57	DRY	3.89	4.29	DRY	COVERED
November 2, 2000	7.16	DRY	DRY	4.99	DRY	COVERED
December 4, 7, & 11, 2000	6.81	DRY	DRY	4.59	DRY	COVERED

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
July 31, 1998	4.75	3.78	5.75	4.80	10.49	UNACCESS.
Aug. 31, 1998	5.64	4.48	6.38	4.80	11.64	UNACCESS.
Sept. 17, 1998	5.35	3.20	6.31	4.86	11.10	UNACCESS.
Oct. 7, 1998	4.75	3.65	5.79	4.75	10.60	UNACCESS.
Nov. 23, 1998	4.73	3.70	5.82	4.56	10.46	UNACCESS.
Dec. 15, 1998	4.10	3.00	5.85	4.70	9.95	UNACCESS.
Jan. 18, 1999	4.70	3.70	5.70	5.00	10.50	UNACCESS.
Feb. 3, 1999	3.50	2.48	4.85	3.00	9.27	UNACCESS.
Mar. 3-4, & 16, 1999	3.50	2.70	5.15	3.40	9.20	2.95
Apr. 15,1999	3.61	3.20	4.84	2.60	9.25	2.63
May 10, 1999	3.85	3.05	4.95	2.80	9.45	3.80
June 18, 1999	3.71	3.75	4.87	2.49	9.29	2.81
July 13-14, 1999	4.50	3.65	5.74	3.82	10.19	3.05
August 06, 1999	4.62	3.59	5.48	3.26	10.17	3.32
Sept.13,15,20,23,' 99	6.00	4.90	6.51	4.80	10.95	4.17
October 06, 1999	4.80	3.80	6.00	4.56	10.70	3.40
November 9, 1999	5.80	4.72	6.52	5.63	11.50	5.64
December 6-7, 1999	4.41	3.50	6.17	5.30	10.28	3.10
January 7, 2000	4.40	5.45	6.35	5.60	11.00	4.60
February 7, 2000	5.70	4.65	6.65	5.90	11.50	4.00
March 8-9, 2000	4.52	3.42	5.29	4.24	10.32	2.61
April 6, 2000	4.51	3.95	5.91	4.79	10.15	3.31
May 3, 2000	4.75	3.62	5.76	4.19	10.51	3.15
June 6-7, 2000	3.27	2.20	4.23	1.52	8.98	2.51
July 3, 2000	4.30	2.09	2.10	2.16	8.85	2.50
August 3, 2000	5.03	3.98	5.93	3.41	10.89	4.41
September 6-7, 2000	5.09	3.95	6.01	4.51	11.26	3.39
October 4-5, 2000	4.67	3.60	5.65	4.09	10.43	3.08
November 2, 2000	5.20	4.13	6.07	4.94	11.03	3.42
December 7 & 11, 2000	4.81	3.77	5.85	4.69	10.63	3.25

FLOW FROM EXTRACTION WELLS

YEAR: 2000				
MONTH: DEC. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	3,956,211.00	20,591.00	0.021	
2	3,976,802.00	36,724.00	0.037	
3	4,013,526.00	34,062.00	0.034	
4	4,047,588.00	29,296.00	0.029	
5	4,076,884.00	29,228.00	0.029	
6	4,106,112.00	29,876.00	0.030	SHUT DOWN
7	4,135,988.00	28,106.00	0.028	
8	4,164,094.00	25,662.00	0.026	
9	4,189,756.00	26,906.00	0.027	
10	4,216,662.00	31,622.00	0.032	
11	4,248,284.00	30,437.00	0.030	
12	4,278,721.00	27,898.00	0.028	
13	4,306,619.00	27,087.00	0.027	
14	4,333,706.00	27,339.00	0.027	
15	4,361,045.00	20,290.00	0.020	
16	4,381,335.00	30,668.00	0.031	
17	4,412,003.00	30,617.00	0.031	
18	4,442,620.00	28,722.00	0.029	
19	4,471,342.00	28,101.00	0.028	
20	4,499,443.00	27,236.00	0.027	
21	4,526,679.00	25,683.00	0.026	
22	4,552,362.00	18,045.00	0.018	
23	4,570,407.00	32,386.00	0.032	
24	4,602,793.00	23,016.00	0.023	
25	4,625,809.00	32,929.00	0.033	
26	4,658,738.00	26,466.00	0.026	
27	4,685,204.00	25,917.00	0.026	
28	4,711,121.00	25,766.00	0.026	
29	4,736,887.00	17,213.00	0.017	
30	4,754,100.00	28,391.00	0.028	
31	4,782,491.00	20,564.00	0.021	
January 01	4,803,055.00			
		TOTAL	0.847	
		AVERAGE	0.027	

FLOW FROM EQT-100

YEAR: 2000				
MONTH: DEC. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	264,786.90	25,874.10	0.026	
2	290,661.00	50,936.30	0.051	
3	341,597.30	46,722.60	0.047	
4	388,319.90	38,773.50	0.039	
5	427,093.40	44,409.20	0.044	SHUT DOWN
6	471,502.60	47,177.00	0.047	SHUT DOWN
7	518,679.60	37,040.60	0.037	
8	555,720.20	34,192.40	0.034	
9	589,912.60	33,639.40	0.034	
10	623,552.00	41,341.60	0.041	
11	664,893.60	41,795.20	0.042	
12	706,688.80	37,268.30	0.037	
13	743,957.10	37,419.50	0.037	
14	781,376.60	39,581.10	0.040	
15	820,957.70	28,068.90	0.028	
16	849,026.60	42,424.40	0.042	
17	891,451.00	41,652.10	0.042	
18	933,103.10	39,090.00	0.039	
19	972,193.10	38,531.90	0.039	
20	1,010,725.00	37,479.60	0.037	
21	1,048,204.60	35,233.80	0.035	
22	1,083,438.40	24,592.70	0.025	
23	1,108,031.10	40,682.80	0.041	
24	1,148,713.90	34,479.30	0.034	
25	1,183,193.20	46,969.30	0.047	
26	1,230,162.50	39,100.50	0.039	
27	1,269,263.00	34,119.60	0.034	
28	1,303,382.60	35,410.10	0.035	SHUT DOWN
29	1,338,792.70	23,828.30	0.024	
30	1,362,621.00	39,562.10	0.040	
31	1,402,183.10	28,104.70	0.028	
January 01	1,430,287.80			
		TOTAL	1.165	
		AVERAGE	0.038	

EFFLUENT FLOW FROM PLANT

YEAR: 2000

MONTH: DEC. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	7,244,915.00	11,425.00	22,850.00	0.023	
2	7,256,340.00	17,224.00	34,448.00	0.034	
3	7,273,564.00	16,143.00	32,286.00	0.032	
4	7,289,707.00	14,610.00	29,220.00	0.029	
5	7,304,317.00	15,223.00	30,446.00	0.030	SHUT DOWN
6	7,319,540.00	19,448.00	38,896.00	0.039	SHUT DOWN
7	7,338,988.00	14,128.00	28,256.00	0.028	
8	7,353,116.00	13,776.00	27,552.00	0.028	
9	7,366,892.00	12,837.00	25,674.00	0.026	
10	7,379,729.00	14,108.00	28,216.00	0.028	
11	7,393,837.00	15,186.00	30,372.00	0.030	
12	7,409,023.00	13,739.00	27,478.00	0.027	
13	7,422,762.00	14,052.00	28,104.00	0.028	
14	7,436,814.00	15,524.00	31,048.00	0.031	
15	7,452,338.00	10,859.00	21,718.00	0.022	
16	7,463,197.00	15,662.00	31,324.00	0.031	
17	7,478,859.00	14,323.00	28,646.00	0.029	
18	7,493,182.00	14,771.00	29,542.00	0.030	
19	7,507,953.00	14,141.00	28,282.00	0.028	
20	7,522,094.00	13,577.00	27,154.00	0.027	
21	7,535,671.00	13,301.00	26,602.00	0.027	
22	7,548,972.00	9,752.00	19,504.00	0.020	
23	7,558,724.00	13,157.00	26,314.00	0.026	
24	7,571,881.00	11,327.00	22,654.00	0.023	
25	7,583,208.00	17,838.00	35,676.00	0.036	
26	7,601,046.00	14,671.00	29,342.00	0.029	
27	7,615,717.00	11,929.00	23,858.00	0.024	
28	7,627,646.00	12,792.00	25,584.00	0.026	SHUT DOWN
29	7,640,438.00	9,556.00	19,112.00	0.019	
30	7,649,994.00	15,332.00	30,664.00	0.031	
31	7,665,326.00	9,882.00	19,764.00	0.020	
January 01	7,675,208.00				
			TOTAL	0.861	
			AVERAGE	0.028	

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
1-888-5-ENCHEM

EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

Project Name: OGTP

Project Number:

Invoice

US ARMY CORPS OF ENGINEERS
ATTN: Steve Brossart
111 RIVERFRONT STE 300

WINONA MN 55987

Report

APL, Inc.
ATTN: Dean Groleau
2572 Oak St., Box 352
Ashippun, WI 53003

Attached are the following for Batch Number: **904574**

RECEIVED
JAN 12 2001
DEPT. OF NATURAL RESOURCES
SD HEADQUARTERS

✓ **Organic**
✓ **Inorganic**
____ **QC Data**
____ **Diskette**

Ship By: ✓ First Class Mail ____ FedEx
____ Priority Mail ____ Other: _____

Comments:

If you have any questions please call your Client Manager: **Tod Noltemeyer**

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
1-888-5-ENCHEM

EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

- Analytical Report -

Project Name : OGTP
Project Number : 1616.03

Client : US ARMY CORPS OF ENGINEERS
Report Date : 1/2/01
WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
904574-001	0012 04 WA09RQ	12/4/00			
904574-002	0012 04 WA09Q	12/4/00			
904574-003	TRIP BLANK Q				
904574-004	0012 04 WA09Q	12/5/00			

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

Tod Holtemeyer
Approval Signature

1/2/01
Date

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
1-888-5-ENCHEM

EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0012 04 WA09RQ
Lab Sample Number : 904574-001
Lab Project Number : 904574

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 1/2/01
Collection Date : 12/4/00
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	0.36	0.10	0.32		ug/L	SUB,A	12/13/00	SW846 3020	SW846 6020
Barium	8.5	0.16	0.51		ug/L	SUB,A	12/13/00	SW846 3020	SW846 6020
Cadmium	0.19	0.079	0.25		ug/L	QSUB,A	12/13/00	SW846 3020	SW846 6020
Cadmium - Recoverable	0.080	0.056	0.18		ug/L	Q	12/27/00	SW846 3020A	SW846 6020
Chromium	2.3	0.17	0.54		ug/L	SUB,A	12/13/00	SW846 3020	SW846 6020
Copper	2.2	0.37	1.2		ug/L	SUB	12/13/00	SW846 3020	SW846 6020
Iron	59	14	45		ug/L	SUB,A	12/13/00	SW846 3020	SW846 6020
Lead	0.19	0.063	0.20		ug/L	QSUB,A	12/13/00	SW846 3020	SW846 6020
Manganese	0.89	0.33	1.1		ug/L	QSUB	12/13/00	SW846 3020	SW846 6020
Mercury	< 0.021	0.021	0.067		ug/L		12/13/00	SW846 7470A	SW846 7470A
Nickel	10	0.38	1.2		ug/L	SUB	12/13/00	SW846 3020	SW846 6020
Selenium	0.77	0.21	0.67		ug/L	SUB,A	12/13/00	SW846 3020	SW846 6020
Silver	< 0.034	0.034	0.11		ug/L	SUB	12/14/00	SW846 3005	SW846 6020
Thallium	0.15	0.076	0.24		ug/L	QSUB, A	12/13/00	SW846 3020	SW846 6020
Zinc	3.5	1.3	4.1		ug/L	QSUB,A,NP	12/13/00	SW846 3020	SW846 6020
COD	< 2.6	2.6	8.3		mg/L	*	12/11/00	EPA 410.4	EPA 410.4
Nitrogen, ammonia	< 0.040	0.040	0.13		mg/L		12/12/00	SW846 3010A	EPA 350.1
Nitrogen, NO3 + NO2	1.5	0.015	0.048		mg/L		12/8/00	EPA 353.2	EPA 353.2
Phosphorus, total	< 0.098	0.098	0.31		mg/L		12/7/00	EPA 365.4	EPA 365.1
Solids, total suspended	< 5.9	5.9	19		mg/L		12/11/00	epa 160.2	EPA 160.2

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
1-888-5-ENCHEM

EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0012 04 WA09Q
Lab Sample Number : 904574-004
Lab Project Number : 904574

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 1/2/01
Collection Date : 12/5/00
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Chromium, Hexavalent	< 6.7	6.7	21		ug/L		12/5/00	SW846 7196A	SW846 7196A

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
1-888-5-ENCHEM

EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0012 04 WA09Q
Lab Sample Number : 904574-002
Lab Project Number : 904574

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 1/2/01
Collection Date : 12/4/00
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Cyanide, free	0.0013	0.0013	0.0041		mg/L	Q	12/12/00	SM 4500CN	SM 4500CN
Cyanide, total	< 0.14	0.14	0.45		mg/L	ED	12/12/00	EPA 335.4	EPA 335.4

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
1-888-5-ENCHEM

EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : 0012 04 WA09Q
Lab Sample Number : 904574-002
Lab Project Number : 904574

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 1/2/01
Collection Date : 12/4/00
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER **Prep Method: SW846 5030**

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		12/7/00	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		12/7/00	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		12/7/00	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		12/7/00	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		12/7/00	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		12/7/00	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		12/7/00	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		12/7/00	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		12/7/00	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		12/7/00	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		12/7/00	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		12/7/00	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		12/7/00	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		12/7/00	SW846 8260B
4-Bromofluorobenzene	113				%Recov		12/7/00	SW846 8260B
Dibromofluoromethane	118				%Recov		12/7/00	SW846 8260B
Toluene-d8	104				%Recov		12/7/00	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.
Units of %Recov(ery) denote surrogate spike recovery. All recoveries pass in-house control limits unless otherwise noted.

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
1-888-5-ENCHEM

EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : TRIP BLANK Q
Lab Sample Number : 904574-003
Lab Project Number : 904574

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 1/2/01
Collection Date :
Matrix Type : BLANK
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER **Prep Method: SW846 5030**

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		12/7/00	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		12/7/00	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		12/7/00	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		12/7/00	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		12/7/00	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		12/7/00	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		12/7/00	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		12/7/00	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		12/7/00	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		12/7/00	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		12/7/00	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		12/7/00	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		12/7/00	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		12/7/00	SW846 8260B
4-Bromofluorobenzene	116				%Recov		12/7/00	SW846 8260B
Dibromofluoromethane	115				%Recov		12/7/00	SW846 8260B
Toluene-d8	106				%Recov		12/7/00	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.
Units of %Recov(ery) denote surrogate spike recovery. All recoveries pass in-house control limits unless otherwise noted.

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
1-888-5-ENCHEM

EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

Inorganic Data Qualifier Sheet

A	Analyte is detected in the method blank (See Form 3). Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
AI	Due to the matrix of this sample the alternate isotope was used for analysis.
B	The analyte has been detected between the Method Detection Limit (MDL) and Method Reporting Limit (MRL). The results are qualified due to the uncertainty of analyte concentrations within this range.
BB	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
BD	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BI	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BL	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BX	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
DA	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
DF	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
E	Estimated concentration due to matrix interferences. During the metals analysis using the inductively coupled plasma (ICP), the serial dilution failed to meet the established control limits of 0-10% and the sample concentrations greater than 50 times the EQL (100 times the IDL for analysis done on the ICP-MS). The result was flagged with the E qualifier to indicate that a physical interference was observed.
ED	Elevated detection limit due to matrix effects.
G	Unable to determine precision due to matrix interference.
H(n)	Analysis performed "n" days past holding time (See Sample Narrative).
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
LV	Elevated detection limit due to low sample volume.
MS	Either the matrix spike or matrix spike duplicate was outside of the acceptable control limits. All other supporting QC was within the acceptable control limits.

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
1-888-5-ENCHEM

EN CHEM INC.

Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

N	Spiked sample recovery not within control limits; post-digestion spike recovery accepted.
NP	Digested and post-digested spike recoveries fail accuracy control limits.
NR	Not required.
Q	The analyte has been detected between the Limit of Detection (LOD) and Limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
SUB	Assay was subcontractedto En Chem Green Bay WI Cert. # 405132750.
UN	Unable to preserve sample due to matrix.
X	See sample narrative.
*	Duplicate analyses not within control limits.

(Please Print Legibly)
Company Name: USACE
Branch or Location: ST. PAUL DISTRICT
Project Contact: STEVE BROSSART
Telephone: (507) 454-6150
Project Number:
Project Name: OGTP
Project State: WI
Sampled By (Print): DEAN GROLEAU

EN CHEM INC.

1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
FAX 920-469-8827

525 Science Drive
Madison, WI 53711
608-232-3300
FAX: 608-233-0502

CHAIN OF CUSTODY

58518

Page 1 of 1

P.O. # Quote #

Mail Report To: DEAN GROLEAU
Company: APL, INC.
Address: 2572 OAK ST., BOX 352
ASHIPPUN, WI 53003

Invoice To: STEVE BROSSART
Company: USACE - ST. PAUL DISTRICT
Address: WINONA RESIDENT OFFICE; 111 RIVERFRONT, SUITE 300; WINONA, MN, 55987

Mail Invoice To:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
H = Sodium Bisulfate Solution I = Other

FILTERED? (YES/NO)
PRESERVATION (CODE)*

Data Package Options
(please circle if requested)
Results Only
EnChem Level III (Subject to Surcharge)
EnChem Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
904574-001	0012 04 WA09RQ	12-4-00	0920	GW		
-002	0012 04 WA09Q	↓	0910	↓		
-003	TRIP BLANK "Q"				LAB PROVIDED ↓	
	TEMP BLANK					
-004	0012 04 WA09Q2	12-5-00	0848	GW		

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone #:
Fax #:
E-Mail Address:

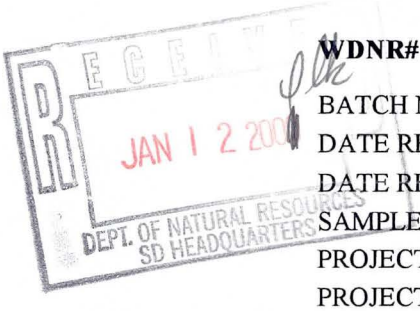
Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dean Groleau	12-5-00 1100	D. E. Reed	12/5/00 @ 1100
D. E. Reed	12/5/00 1415	[illegible]	12/5/00 14:15

En Chem Project No.
Sample Receipt Temp. 1°C ROI
Sample Receipt pH (Wet/Metals) OK
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

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

ORGANIC REPORT



WDNR# 241340550

BATCH NUMBER: **20000911**
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 22330 QC Prep Batch Number: 995954 Collection: 12/11/2000 Time: 09:30
Client ID: 001211WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	2/12/2000 / 2/12/200
1,1,1-Trichloroethane	129	ug/l	1.6	4.9	5		8260	qh	2/12/2000 / 2/12/200
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/12/2000 / 2/12/200
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethane	30	ug/l	1.6	5.1	5		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethene	11	ug/l	1.7	5.4	5		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/12/2000 / 2/12/200
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	2/12/2000 / 2/12/200
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	2/12/2000 / 2/12/200
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/12/2000 / 2/12/200
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/12/2000 / 2/12/200
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/12/2000 / 2/12/200
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2/12/2000 / 2/12/200
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	2/12/2000 / 2/12/200
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/12/2000 / 2/12/200
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	2/12/2000 / 2/12/200
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	2/12/2000 / 2/12/200
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/12/2000 / 2/12/200
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/12/2000 / 2/12/200
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	2/12/2000 / 2/12/200
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	2/12/2000 / 2/12/200
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/12/2000 / 2/12/200
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/12/2000 / 2/12/200
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/12/2000 / 2/12/200
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	2/12/2000 / 2/12/200
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/12/2000 / 2/12/200
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	2/12/2000 / 2/12/200
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/12/2000 / 2/12/200
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/12/2000 / 2/12/200
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	2/12/2000 / 2/12/200
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	2/12/2000 / 2/12/200
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	2/12/2000 / 2/12/200
cis-1,2-Dichloroethene	48	ug/l	1.4	4.3	5		8260	qh	2/12/2000 / 2/12/200
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/12/2000 / 2/12/200
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000911**
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	**ug/l**	2.3	7.3	5		8260	qh	2/12/2000 / 2/12/200
Dichlorodifluoromethane	< 1.4	**ug/l**	1.4	4.3	5		8260	qh	2/12/2000 / 2/12/200
Ethylbenzene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	2/12/2000 / 2/12/200
Hexachlorobutadiene	< 2.1	**ug/l**	2.1	6.7	5		8260	qh	2/12/2000 / 2/12/200
Isopropyl Ether	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	2/12/2000 / 2/12/200
Isopropylbenzene	< 1.7	**ug/l**	1.7	5.2	5		8260	qh	2/12/2000 / 2/12/200
m&p-xylene	< 2.7	**ug/l**	2.7	8.4	5		8260	qh	2/12/2000 / 2/12/200
Methyl-t-butyl ether	< 2.0	**ug/l**	2.0	6.2	5		8260	qh	2/12/2000 / 2/12/200
Methylene chloride	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	2/12/2000 / 2/12/200
n-Butylbenzene	< 1.8	**ug/l**	1.8	5.7	5		8260	qh	2/12/2000 / 2/12/200
n-Propylbenzene	< 1.4	**ug/l**	1.4	4.5	5		8260	qh	2/12/2000 / 2/12/200
Naphthalene	< 3.8	**ug/l**	3.8	12	5		8260	qh	2/12/2000 / 2/12/200
o-xylene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	2/12/2000 / 2/12/200
p-Isopropyltoluene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	2/12/2000 / 2/12/200
sec-Butylbenzene	< 1.7	**ug/l**	1.7	5.4	5		8260	qh	2/12/2000 / 2/12/200
Styrene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	2/12/2000 / 2/12/200
tert-Butylbenzene	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	2/12/2000 / 2/12/200
Tetrachloroethene	5.0	**ug/l**	1.6	4.9	5		8260	qh	2/12/2000 / 2/12/200
Toluene	< 1.5	**ug/l**	1.5	4.6	5		8260	qh	2/12/2000 / 2/12/200
trans-1,2-Dichloroethene	13	**ug/l**	1.3	4.0	5		8260	qh	2/12/2000 / 2/12/200
trans-1,3-Dichloropropene	< 1.3	**ug/l**	1.3	4.1	5		8260	qh	2/12/2000 / 2/12/200
Trichloroethene	492	**ug/l**	1.7	5.4	5		8260	qh	2/12/2000 / 2/12/200
Trichlorofluoromethane	< 1.2	**ug/l**	1.2	3.8	5		8260	qh	2/12/2000 / 2/12/200
Vinyl chloride	< 1.0	**ug/l**	1.0	3.2	5		8260	qh	2/12/2000 / 2/12/200

Sample Number: 22334 QC Prep Batch Number: 995954 Collection: 12/11/2000 Time: 08:38
Client ID: 001211WA03P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	2		8260	qh	2/12/2000 / 2/12/200
1,1,1-Trichloroethane	73	**ug/l**	0.62	2.0	2		8260	qh	2/12/2000 / 2/12/200
1,1,2,2-Tetrachloroethane	< 0.88	**ug/l**	0.88	2.8	2		8260	qh	2/12/2000 / 2/12/200
1,1,2-Trichloroethane	< 0.88	**ug/l**	0.88	2.8	2		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethane	19	**ug/l**	0.64	2.0	2		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethene	5.2	**ug/l**	0.68	2.2	2		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloropropene	< 0.86	**ug/l**	0.86	2.7	2		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichlorobenzene	< 1.0	**ug/l**	1.0	3.2	2		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichloropropane	< 1.0	**ug/l**	1.0	3.2	2		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trichlorobenzene	< 0.94	**ug/l**	0.94	3.0	2		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trimethylbenzene	< 0.60	**ug/l**	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
1,2-Dibromoethane	< 0.92	**ug/l**	0.92	2.9	2		8260	qh	2/12/2000 / 2/12/200
1,2-Dichlorobenzene	< 0.68	**ug/l**	0.68	2.2	2		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloroethane	< 0.70	**ug/l**	0.70	2.2	2		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloropropane	< 0.64	**ug/l**	0.64	2.0	2		8260	qh	2/12/2000 / 2/12/200
1,3,5-Trimethylbenzene	< 0.68	**ug/l**	0.68	2.2	2		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000911**
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	2/12/2000 / 2/12/200
1,3-Dichloropropane	< 0.78	ug/l	0.78	2.5	2		8260	qh	2/12/2000 / 2/12/200
1,4-Dichlorobenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	2/12/2000 / 2/12/200
12Dibromo-3-chloropropan	< 0.66	ug/l	0.66	2.1	2		8260	qh	2/12/2000 / 2/12/200
2,2-Dichloropropane	< 0.54	ug/l	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	2		8260	qh	2/12/2000 / 2/12/200
2-Chloroethyl Vinyl Ether	< 1.4	ug/l	1.4	4.5	2		8260	qh	2/12/2000 / 2/12/200
2-Chlorotoluene	< 0.60	ug/l	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
4-Chlorotoluene	< 0.52	ug/l	0.52	1.7	2		8260	qh	2/12/2000 / 2/12/200
4-Methyl-2-Pentanone	< 1.6	ug/l	1.6	5.1	2		8260	qh	2/12/2000 / 2/12/200
Acetone	< 3.1	ug/l	3.1	9.9	2		8260	qh	2/12/2000 / 2/12/200
Benzene	< 0.54	ug/l	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
Bromobenzene	< 0.62	ug/l	0.62	2.0	2		8260	qh	2/12/2000 / 2/12/200
Bromochloromethane	< 0.74	ug/l	0.74	2.4	2		8260	qh	2/12/2000 / 2/12/200
Bromodichloromethane	< 0.76	ug/l	0.76	2.4	2		8260	qh	2/12/2000 / 2/12/200
Bromoform	< 0.78	ug/l	0.78	2.5	2		8260	qh	2/12/2000 / 2/12/200
Bromomethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	2/12/2000 / 2/12/200
Carbon tetrachloride	< 0.54	ug/l	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
Chlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	2/12/2000 / 2/12/200
Chloroethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	2/12/2000 / 2/12/200
Chloroform	0.86	ug/l	0.48	1.5	2	J	8260	qh	2/12/2000 / 2/12/200
Chloromethane	< 0.98	ug/l	0.98	3.1	2		8260	qh	2/12/2000 / 2/12/200
cis-1,2-Dichloroethene	30	ug/l	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	2		8260	qh	2/12/2000 / 2/12/200
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	2		8260	qh	2/12/2000 / 2/12/200
Dibromomethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	2/12/2000 / 2/12/200
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
Ethylbenzene	< 0.50	ug/l	0.50	1.6	2		8260	qh	2/12/2000 / 2/12/200
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	2		8260	qh	2/12/2000 / 2/12/200
Isopropyl Ether	< 0.60	ug/l	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	2		8260	qh	2/12/2000 / 2/12/200
m&p-xylene	< 1.1	ug/l	1.1	3.4	2		8260	qh	2/12/2000 / 2/12/200
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	2		8260	qh	2/12/2000 / 2/12/200
Methylene chloride	< 0.60	ug/l	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	2/12/2000 / 2/12/200
n-Propylbenzene	< 0.56	ug/l	0.56	1.8	2		8260	qh	2/12/2000 / 2/12/200
Naphthalene	< 1.5	ug/l	1.5	4.8	2		8260	qh	2/12/2000 / 2/12/200
o-xylene	< 0.50	ug/l	0.50	1.6	2		8260	qh	2/12/2000 / 2/12/200
p-Isopropyltoluene	< 0.62	ug/l	0.62	2.0	2		8260	qh	2/12/2000 / 2/12/200
sec-Butylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	2/12/2000 / 2/12/200
Styrene	< 0.50	ug/l	0.50	1.6	2		8260	qh	2/12/2000 / 2/12/200
tert-Butylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
Tetrachloroethene	2.3	ug/l	0.62	2.0	2		8260	qh	2/12/2000 / 2/12/200
Toluene	< 0.58	ug/l	0.58	1.8	2		8260	qh	2/12/2000 / 2/12/200
trans-1,2-Dichloroethene	7.3	ug/l	0.50	1.6	2		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000911**
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.52	**ug/l**	0.52	1.7	2		8260	qh	2/12/2000 / 2/12/200
Trichloroethene	290	**ug/l**	0.68	2.2	2		8260	qh	2/12/2000 / 2/12/200
Trichlorofluoromethane	< 0.48	**ug/l**	0.48	1.5	2		8260	qh	2/12/2000 / 2/12/200
Vinyl chloride	< 0.40	**ug/l**	0.40	1.3	2		8260	qh	2/12/2000 / 2/12/200

Sample Number: 22335 QC Prep Batch Number: 995954 Collection: 12/11/2000 Time: 08:48
Client ID: 001211WA05P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	2		8260	qh	2/12/2000 / 2/12/200
1,1,1-Trichloroethane	29	**ug/l**	0.62	2.0	2		8260	qh	2/12/2000 / 2/12/200
1,1,2,2-Tetrachloroethane	< 0.88	**ug/l**	0.88	2.8	2		8260	qh	2/12/2000 / 2/12/200
1,1,2-Trichloroethane	< 0.88	**ug/l**	0.88	2.8	2		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethane	11	**ug/l**	0.64	2.0	2		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethene	1.7	**ug/l**	0.68	2.2	2	*J*	8260	qh	2/12/2000 / 2/12/200
1,1-Dichloropropene	< 0.86	**ug/l**	0.86	2.7	2		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichlorobenzene	< 1.0	**ug/l**	1.0	3.2	2		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichloropropane	< 1.0	**ug/l**	1.0	3.2	2		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trichlorobenzene	< 0.94	**ug/l**	0.94	3.0	2		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trimethylbenzene	< 0.60	**ug/l**	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
1,2-Dibromoethane	< 0.92	**ug/l**	0.92	2.9	2		8260	qh	2/12/2000 / 2/12/200
1,2-Dichlorobenzene	< 0.68	**ug/l**	0.68	2.2	2		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloroethane	< 0.70	**ug/l**	0.70	2.2	2		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloropropane	< 0.64	**ug/l**	0.64	2.0	2		8260	qh	2/12/2000 / 2/12/200
1,3,5-Trimethylbenzene	< 0.68	**ug/l**	0.68	2.2	2		8260	qh	2/12/2000 / 2/12/200
1,3-Dichlorobenzene	< 0.52	**ug/l**	0.52	1.7	2		8260	qh	2/12/2000 / 2/12/200
1,3-Dichloropropane	< 0.78	**ug/l**	0.78	2.5	2		8260	qh	2/12/2000 / 2/12/200
1,4-Dichlorobenzene	< 0.72	**ug/l**	0.72	2.3	2		8260	qh	2/12/2000 / 2/12/200
12Dibromo-3-chloropropan	< 0.66	**ug/l**	0.66	2.1	2		8260	qh	2/12/2000 / 2/12/200
2,2-Dichloropropane	< 0.54	**ug/l**	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
2-Butanone (MEK)	< 2.8	**ug/l**	2.8	8.8	2		8260	qh	2/12/2000 / 2/12/200
2-Chloroethyl Vinyl Ether	< 1.4	**ug/l**	1.4	4.5	2		8260	qh	2/12/2000 / 2/12/200
2-Chlorotoluene	< 0.60	**ug/l**	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
4-Chlorotoluene	< 0.52	**ug/l**	0.52	1.7	2		8260	qh	2/12/2000 / 2/12/200
4-Methyl-2-Pentanone	< 1.6	**ug/l**	1.6	5.1	2		8260	qh	2/12/2000 / 2/12/200
Acetone	< 3.1	**ug/l**	3.1	9.9	2		8260	qh	2/12/2000 / 2/12/200
Benzene	< 0.54	**ug/l**	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
Bromobenzene	< 0.62	**ug/l**	0.62	2.0	2		8260	qh	2/12/2000 / 2/12/200
Bromochloromethane	< 0.74	**ug/l**	0.74	2.4	2		8260	qh	2/12/2000 / 2/12/200
Bromodichloromethane	< 0.76	**ug/l**	0.76	2.4	2		8260	qh	2/12/2000 / 2/12/200
Bromoform	< 0.78	**ug/l**	0.78	2.5	2		8260	qh	2/12/2000 / 2/12/200
Bromomethane	< 1.3	**ug/l**	1.3	4.1	2		8260	qh	2/12/2000 / 2/12/200
Carbon tetrachloride	< 0.54	**ug/l**	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
Chlorobenzene	< 0.52	**ug/l**	0.52	1.7	2		8260	qh	2/12/2000 / 2/12/200
Chloroethane	< 1.3	**ug/l**	1.3	4.1	2		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000911**
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.48	ug/l	0.48	1.5	2		8260	qh	2/12/2000 / 2/12/200
Chloromethane	< 0.98	ug/l	0.98	3.1	2		8260	qh	2/12/2000 / 2/12/200
cis-1,2-Dichloroethene	18	ug/l	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	2		8260	qh	2/12/2000 / 2/12/200
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	2		8260	qh	2/12/2000 / 2/12/200
Dibromomethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	2/12/2000 / 2/12/200
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	2		8260	qh	2/12/2000 / 2/12/200
Ethylbenzene	< 0.50	ug/l	0.50	1.6	2		8260	qh	2/12/2000 / 2/12/200
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	2		8260	qh	2/12/2000 / 2/12/200
Isopropyl Ether	< 0.60	ug/l	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	2		8260	qh	2/12/2000 / 2/12/200
m&p-xylene	< 1.1	ug/l	1.1	3.4	2		8260	qh	2/12/2000 / 2/12/200
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	2		8260	qh	2/12/2000 / 2/12/200
Methylene chloride	< 0.60	ug/l	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	2/12/2000 / 2/12/200
n-Propylbenzene	< 0.56	ug/l	0.56	1.8	2		8260	qh	2/12/2000 / 2/12/200
Naphthalene	< 1.5	ug/l	1.5	4.8	2		8260	qh	2/12/2000 / 2/12/200
o-xylene	< 0.50	ug/l	0.50	1.6	2		8260	qh	2/12/2000 / 2/12/200
p-Isopropyltoluene	< 0.62	ug/l	0.62	2.0	2		8260	qh	2/12/2000 / 2/12/200
sec-Butylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	2/12/2000 / 2/12/200
Styrene	< 0.50	ug/l	0.50	1.6	2		8260	qh	2/12/2000 / 2/12/200
tert-Butylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	2/12/2000 / 2/12/200
Tetrachloroethene	0.94	ug/l	0.62	2.0	2	J	8260	qh	2/12/2000 / 2/12/200
Toluene	< 0.58	ug/l	0.58	1.8	2		8260	qh	2/12/2000 / 2/12/200
trans-1,2-Dichloroethene	3.4	ug/l	0.50	1.6	2		8260	qh	2/12/2000 / 2/12/200
trans-1,3-Dichloropropene	< 0.52	ug/l	0.52	1.7	2		8260	qh	2/12/2000 / 2/12/200
Trichloroethene	< 0.68	ug/l	0.68	2.2	2		8260	qh	2/12/2000 / 2/12/200
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	2		8260	qh	2/12/2000 / 2/12/200
Vinyl chloride	< 0.40	ug/l	0.40	1.3	2		8260	qh	2/12/2000 / 2/12/200

Sample Number: 22336 QC Prep Batch Number: 995954 Collection: 12/11/2000 Time: 08:50
Client ID: 001211WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/12/2000 / 2/12/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000911
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/12/2000 / 2/12/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/12/2000 / 2/12/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/12/2000 / 2/12/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/12/2000 / 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/12/2000 / 2/12/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/12/2000 / 2/12/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/12/2000 / 2/12/200
Benzene	1.5	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/12/2000 / 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/12/2000 / 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/12/2000 / 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/12/2000 / 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/12/2000 / 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/12/2000 / 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/12/2000 / 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Ethylbenzene	0.31	ug/l	0.25	0.80	1	J	8260	qh	2/12/2000 / 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/12/2000 / 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/12/2000 / 2/12/200
m&p-xylene	0.67	ug/l	0.53	1.7	1	J	8260	qh	2/12/2000 / 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/12/2000 / 2/12/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/12/2000 / 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/12/2000 / 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000911**
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
Toluene	3.0	**ug/l**	0.29	0.92	1		8260	qh	2/12/2000 / 2/12/200
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
Trichloroethene	0.73	**ug/l**	0.34	1.1	1	*J*	8260	qh	2/12/2000 / 2/12/200
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	2/12/2000 / 2/12/200
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	2/12/2000 / 2/12/200

Sample Number: 22337 QC Prep Batch Number: 995954 Collection: 12/11/2000 Time: 08:52
Client ID: 001211WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	2/12/2000 / 2/12/200
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	2/12/2000 / 2/12/200
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	2/12/2000 / 2/12/200
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	2/12/2000 / 2/12/200
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	qh	2/12/2000 / 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	qh	2/12/2000 / 2/12/200
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	qh	2/12/2000 / 2/12/200
Acetone	< 1.6	**ug/l**	1.6	4.9	1		8260	qh	2/12/2000 / 2/12/200
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromodichloromethane	< 0.38	**ug/l**	0.38	1.2	1		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000911
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/12/2000 / 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/12/2000 / 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/12/2000 / 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/12/2000 / 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/12/2000 / 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/12/2000 / 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/12/2000 / 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/12/2000 / 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/12/2000 / 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/12/2000 / 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/12/2000 / 2/12/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/12/2000 / 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/12/2000 / 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/12/2000 / 2/12/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/12/2000 / 2/12/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/12/2000 / 2/12/200

Sample Number: 22338
Client ID: Trip Blank

QC Prep Batch Number: 995954

Collection: 12/11/2000 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/12/2000 / 2/12/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000911**
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/12/2000 / 2/12/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/12/2000 / 2/12/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/12/2000 / 2/12/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/12/2000 / 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/12/2000 / 2/12/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/12/2000 / 2/12/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/12/2000 / 2/12/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/12/2000 / 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/12/2000 / 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/12/2000 / 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/12/2000 / 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/12/2000 / 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/12/2000 / 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/12/2000 / 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/12/2000 / 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/12/2000 / 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/12/2000 / 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000911**
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	qh	2/12/2000 / 2/12/200
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	2/12/2000 / 2/12/200
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	2/12/2000 / 2/12/200
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	2/12/2000 / 2/12/200
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	2/12/2000 / 2/12/200

Sample Number: 22339
Client ID: 001211WA09P

QC Prep Batch Number: 995954

Collection: 12/11/2000 Time: 08:43

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	2/12/2000 / 2/12/200
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	2/12/2000 / 2/12/200
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	2/12/2000 / 2/12/200
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	2/12/2000 / 2/12/200
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	2/12/2000 / 2/12/200
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	2/12/2000 / 2/12/200
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	qh	2/12/2000 / 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	qh	2/12/2000 / 2/12/200
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000911**
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/12/2000 / 2/12/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/12/2000 / 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/12/2000 / 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/12/2000 / 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/12/2000 / 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/12/2000 / 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/12/2000 / 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/12/2000 / 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/12/2000 / 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/12/2000 / 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/12/2000 / 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/12/2000 / 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/12/2000 / 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/12/2000 / 2/12/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/12/2000 / 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/12/2000 / 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/12/2000 / 2/12/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/12/2000 / 2/12/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/12/2000 / 2/12/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/12/2000 / 2/12/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/12/2000 / 2/12/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/12/2000 / 2/12/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/12/2000 / 2/12/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/12/2000 / 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000911**
DATE REPORTED:	20-Dec-00
DATE RECEIVED:	11-Dec-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** ____/____/____

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

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000911
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 22330
Client ID: **001211WA01P**
Collection: 12/11/2000 Time: 09:30
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	J RJ	5.6	18	206.2	jz	12/15/2000	995917	
Barium - ICAP	0.117	mg/l	RJ	0.007	0.02	200.7	tm	12/13/2000	995921	
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	jz	12/12/2000	995913	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	12/13/2000	995921	
Copper- ICAP	0.008	mg/l	J RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Iron - ICAP	1.57	mg/l	RJ	0.081	0.26	200.7	tm	12/13/2000	995921	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	12/13/2000	995910	
Manganese - ICAP	0.164	mg/l	RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Mercury CV	<0.0002	mg/l	J	0.0002	0.0006	245.1	jz	12/19/2000	995951	
Nickel - ICAP	0.036	mg/l	RJ	0.011	0.03	200.7	tm	12/13/2000	995921	
Selenium - Furnace AA	<4.8	ug/l	J RJ	4.8	15	270.2	jz	12/19/2000	995953	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	12/13/2000	995921	
Thallium - Furnace AA	<1.3	ug/l	J RJ	1.3	4.1	279.2	jz	12/13/2000	995912	
Zinc - ICAP	0.015	mg/l	J RJ	0.014	0.04	200.7	tm	12/13/2000	995921	
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	dmd	12/12/2000	995938	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	12/18/2000	995936	
Cyanide, Total	0.026	mg/l		0.006	0.02	335.2	dmd	12/18/2000	995935	
pH (water)	7.0	s.u.	#			150.1	JZ	12/12/2000	995905	

Nova Sample Number: 22331
Client ID: **001211WA09R**
Collection: 12/11/2000 Time: 09:00
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	J RJ	5.6	18	206.2	jz	12/15/2000	995917	
Barium - ICAP	0.007	mg/l	J RJ	0.007	0.02	200.7	tm	12/13/2000	995921	
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	jz	12/12/2000	995913	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	12/13/2000	995921	
Copper- ICAP	0.012	mg/l	J RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Iron - ICAP	<0.081	mg/l	J RJ	0.081	0.26	200.7	tm	12/13/2000	995921	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	12/13/2000	995910	
Manganese - ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Mercury CV	<0.0002	mg/l	J	0.0002	0.0006	245.1	jz	12/19/2000	995951	
Nickel - ICAP	0.012	mg/l	J RJ	0.011	0.03	200.7	tm	12/13/2000	995921	

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

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000911
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**0.005**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	*J* **RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**<0.014**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	

Nova Sample Number: 22332
Client ID: **001211WA09Q**
Collection: 12/11/2000 Time: 09:00
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	jz	12/15/2000	*995917*	
Barium - ICAP	**0.011**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	tm	12/13/2000	*995921*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	jz	12/12/2000	*995913*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	12/13/2000	*995921*	
Copper- ICAP	**<0.006**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Iron - ICAP	**<0.081**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	tm	12/13/2000	*995921*	
Lead - Furnace AA	**<1.5**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	12/13/2000	*995910*	
Manganese - ICAP	**<0.006**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Mercury CV	**<0.0002**	**mg/l**	*J*	0.0002	0.0006	245.1	jz	12/19/2000	*995951*	
Nickel - ICAP	**0.014**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	12/13/2000	*995921*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	*J* **RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**<0.014**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	

Nova Sample Number: 22333
Client ID: **001211WA02P**
Collection: 12/11/2000 Time: 08:35
Sample Description:

pH (water)	**9.5**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22334
Client ID: **001211WA03P**
Collection: 12/11/2000 Time: 08:38
Sample Description:

pH (water)	**11.5**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22335
Client ID: **001211WA05P**
Collection: 12/11/2000 Time: 08:48
Sample Description:

pH (water)	**7.2**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

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

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000911
DATE REPORTED: 20-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 22339
Client ID: **001211WA09P**

Collection: 12/11/2000 Time: 08:43
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	dmd	12/12/2000	*995938*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	12/18/2000	*995936*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	12/18/2000	*995935*	
pH (water)	**7.1**	**s.u.**	#			150.1	JZ	12/12/2000	*995905*	

Approved By: _____ **Date:** 12/20

James Chang, Ph.D. , Lab Director

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

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000911**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 22330
Client ID: **001211WA01P**
Collection: 12/11/2000 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	jz	12/15/2000	995917	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	tm	12/13/2000	995921	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	12/12/2000	995913	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	tm	12/13/2000	995921	
Copper- ICAP	0.008	mg/l	J RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Iron - ICAP	1.6	mg/l	RJ	0.081	0.26	200.7	tm	12/13/2000	995921	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	12/13/2000	995910	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	jz	12/19/2000	995951	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	tm	12/13/2000	995921	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	12/19/2000	995953	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	12/13/2000	995921	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	12/13/2000	995912	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	tm	12/13/2000	995921	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	dmd	12/12/2000	995938	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	12/18/2000	995936	
Cyanide, Total	0.03	mg/l		0.006	0.02	335.2	dmd	12/18/2000	995935	
pH (water)	7	s.u.	#			150.1	JZ	12/12/2000	995905	

Nova Sample Number: 22331
Client ID: **001211WA09R**
Collection: 12/11/2000 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	jz	12/15/2000	995917	
Barium - ICAP	0.007	mg/l	J RJ	0.007	0.02	200.7	tm	12/13/2000	995921	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	12/12/2000	995913	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	tm	12/13/2000	995921	
Copper- ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	tm	12/13/2000	995921	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	12/13/2000	995910	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	jz	12/19/2000	995951	
Nickel - ICAP	0.01	mg/l	J RJ	0.011	0.03	200.7	tm	12/13/2000	995921	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000911**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**0.005**	**mg/l**	***J* RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	

Nova Sample Number: 22332
Client ID: **001211WA09Q**
Collection: 12/11/2000 Time: 09:00
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz	12/15/2000	*995917*	
Barium - ICAP	**0.01**	**mg/l**	***J* RJ**	0.007	0.02	200.7	tm	12/13/2000	*995921*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	12/12/2000	*995913*	
Chromium, Total - ICAP	**0.009**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	12/13/2000	*995921*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/13/2000	*995921*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	12/13/2000	*995910*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz	12/19/2000	*995951*	
Nickel - ICAP	**0.01**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	12/13/2000	*995921*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	

Nova Sample Number: 22333
Client ID: **001211WA02P**
Collection: 12/11/2000 Time: 08:35
Sample Description:

pH (water)	**9.5**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22334
Client ID: **001211WA03P**
Collection: 12/11/2000 Time: 08:38
Sample Description:

pH (water)	**12**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22335
Client ID: **001211WA05P**
Collection: 12/11/2000 Time: 08:48
Sample Description:

pH (water)	**7.2**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000911**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 22339
Client ID: **001211WA09P**

Collection: 12/11/2000 Time: 08:43
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	dmd	12/12/2000	*995938*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995936*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995935*	
pH (water)	**7.1**	**s.u.**	#			150.1	JZ	12/12/2000	*995905*	

Approved By: _____ **Date:** 12/19/0

James Chang, Ph.D. , Lab Director

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

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 22360 QC Prep Batch Number: 995954 Collection: 12/11/2000 Time: 10:55
Client ID: 001211MW02DP 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	/ 2/12/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/12/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/12/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/12/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/12/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/12/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/12/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/12/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/12/200
cis-1,2-Dichloroethene	1.0	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/12/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Trichloroethene	0.51	ug/l	0.34	1.1	1	J	8260	qh	/ 2/12/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/12/200

Sample Number: 22361 QC Prep Batch Number: 995954 Collection: 12/7/2000 Time: 11:10
Client ID: 001207MW05DP Sample Description:

1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	10		8260	qh	/ 2/12/200
1,1,1-Trichloroethane	< 3.1	ug/l	3.1	9.9	10		8260	qh	/ 2/12/200
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	10		8260	qh	/ 2/12/200
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	10		8260	qh	/ 2/12/200
1,1-Dichloroethane	31	ug/l	3.2	10	10		8260	qh	/ 2/12/200
1,1-Dichloroethene	< 3.4	ug/l	3.4	11	10		8260	qh	/ 2/12/200
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	10		8260	qh	/ 2/12/200
1,2,3-Trichlorobenzene	< 5.0	ug/l	5.0	16	10		8260	qh	/ 2/12/200
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	10		8260	qh	/ 2/12/200
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	10		8260	qh	/ 2/12/200
1,2,4-Trimethylbenzene	< 3.0	ug/l	3.0	9.5	10		8260	qh	/ 2/12/200
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	10		8260	qh	/ 2/12/200
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	10		8260	qh	/ 2/12/200
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	10		8260	qh	/ 2/12/200
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	10		8260	qh	/ 2/12/200
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	10		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	10		8260	qh	/ 2/12/200
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	10		8260	qh	/ 2/12/200
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	10		8260	qh	/ 2/12/200
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	10		8260	qh	/ 2/12/200
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	10		8260	qh	/ 2/12/200
2-Butanone (MEK)	< 14	ug/l	14	44	10		8260	qh	/ 2/12/200
2-Chloroethyl Vinyl Ether	< 7.0	ug/l	7.0	22	10		8260	qh	/ 2/12/200
2-Chlorotoluene	< 3.0	ug/l	3.0	9.5	10		8260	qh	/ 2/12/200
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	10		8260	qh	/ 2/12/200
4-Methyl-2-Pentanone	< 8.0	ug/l	8.0	25	10		8260	qh	/ 2/12/200
Acetone	< 16	ug/l	16	49	10		8260	qh	/ 2/12/200
Benzene	< 2.7	ug/l	2.7	8.6	10		8260	qh	/ 2/12/200
Bromobenzene	< 3.1	ug/l	3.1	9.9	10		8260	qh	/ 2/12/200
Bromochloromethane	< 3.7	ug/l	3.7	12	10		8260	qh	/ 2/12/200
Bromodichloromethane	< 3.8	ug/l	3.8	12	10		8260	qh	/ 2/12/200
Bromoform	< 3.9	ug/l	3.9	12	10		8260	qh	/ 2/12/200
Bromomethane	< 6.5	ug/l	6.5	21	10		8260	qh	/ 2/12/200
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	10		8260	qh	/ 2/12/200
Chlorobenzene	< 2.6	ug/l	2.6	8.3	10		8260	qh	/ 2/12/200
Chloroethane	< 6.4	ug/l	6.4	20	10		8260	qh	/ 2/12/200
Chloroform	< 2.4	ug/l	2.4	7.6	10		8260	qh	/ 2/12/200
Chloromethane	< 4.9	ug/l	4.9	16	10		8260	qh	/ 2/12/200
cis-1,2-Dichloroethene	62	ug/l	2.7	8.6	10		8260	qh	/ 2/12/200
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	10		8260	qh	/ 2/12/200
Dibromochloromethane	< 4.1	ug/l	4.1	13	10		8260	qh	/ 2/12/200
Dibromomethane	< 4.6	ug/l	4.6	15	10		8260	qh	/ 2/12/200
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	10		8260	qh	/ 2/12/200
Ethylbenzene	< 2.5	ug/l	2.5	8.0	10		8260	qh	/ 2/12/200
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	10		8260	qh	/ 2/12/200
Isopropyl Ether	< 3.0	ug/l	3.0	9.5	10		8260	qh	/ 2/12/200
Isopropylbenzene	< 3.3	ug/l	3.3	10	10		8260	qh	/ 2/12/200
m&p-xylene	< 5.3	ug/l	5.3	17	10		8260	qh	/ 2/12/200
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	10		8260	qh	/ 2/12/200
Methylene chloride	< 3.0	ug/l	3.0	9.5	10		8260	qh	/ 2/12/200
n-Butylbenzene	< 3.6	ug/l	3.6	11	10		8260	qh	/ 2/12/200
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	10		8260	qh	/ 2/12/200
Naphthalene	< 7.5	ug/l	7.5	24	10		8260	qh	/ 2/12/200
o-xylene	< 2.5	ug/l	2.5	8.0	10		8260	qh	/ 2/12/200
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	10		8260	qh	/ 2/12/200
sec-Butylbenzene	< 3.4	ug/l	3.4	11	10		8260	qh	/ 2/12/200
Styrene	< 2.5	ug/l	2.5	8.0	10		8260	qh	/ 2/12/200
tert-Butylbenzene	< 3.0	ug/l	3.0	9.5	10		8260	qh	/ 2/12/200
Tetrachloroethene	< 3.1	ug/l	3.1	9.9	10		8260	qh	/ 2/12/200
Toluene	< 2.9	ug/l	2.9	9.2	10		8260	qh	/ 2/12/200
trans-1,2-Dichloroethene	7.6	ug/l	2.5	8.0	10	J	8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	10		8260	qh	/ 2/12/200
Trichloroethene	572	ug/l	3.4	11	10		8260	qh	/ 2/12/200
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	10		8260	qh	/ 2/12/200
Vinyl chloride	< 2.0	ug/l	2.0	6.4	10		8260	qh	/ 2/12/200

Sample Number: 22362 QC Prep Batch Number: 995954 Collection: 12/7/2000 Time: 12:40
Client ID: 001207MW13SP Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/12/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/12/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/12/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/12/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/12/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/12/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/12/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/12/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/12/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Trichloroethene	1.4	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/12/200

Sample Number: 22363
Client ID: 001207MW12BP

QC Prep Batch Number:

Collection: 12/7/2000 Time: 12:55
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/12/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/12/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/12/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/12/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/12/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/12/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/12/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/12/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/12/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/12/200

Sample Number: 22364 QC Prep Batch Number: 995954 Collection: 12/7/2000 Time: 11:00
Client ID: 001207MW12DP Sample Description:

1,1,1,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	2		8260	qh	/ 2/12/200
1,1,1-Trichloroethane	133	ug/l	0.62	2.0	2		8260	qh	/ 2/12/200
1,1,2,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	2		8260	qh	/ 2/12/200
1,1,2-Trichloroethane	< 0.88	ug/l	0.88	2.8	2		8260	qh	/ 2/12/200
1,1-Dichloroethane	129	ug/l	0.64	2.0	2		8260	qh	/ 2/12/200
1,1-Dichloroethene	45	ug/l	0.68	2.2	2		8260	qh	/ 2/12/200
1,1-Dichloropropene	< 0.86	ug/l	0.86	2.7	2		8260	qh	/ 2/12/200
1,2,3-Trichlorobenzene	< 1.0	ug/l	1.0	3.2	2		8260	qh	/ 2/12/200
1,2,3-Trichloropropane	< 1.0	ug/l	1.0	3.2	2		8260	qh	/ 2/12/200
1,2,4-Trichlorobenzene	< 0.94	ug/l	0.94	3.0	2		8260	qh	/ 2/12/200
1,2,4-Trimethylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	/ 2/12/200
1,2-Dibromoethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	/ 2/12/200
1,2-Dichlorobenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	/ 2/12/200
1,2-Dichloroethane	1.6	ug/l	0.70	2.2	2	J	8260	qh	/ 2/12/200
1,2-Dichloropropane	< 0.64	ug/l	0.64	2.0	2		8260	qh	/ 2/12/200
1,3,5-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	/ 2/12/200
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	/ 2/12/200
1,3-Dichloropropane	< 0.78	ug/l	0.78	2.5	2		8260	qh	/ 2/12/200
1,4-Dichlorobenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	/ 2/12/200
12Dibromo-3-chloropropan	< 0.66	ug/l	0.66	2.1	2		8260	qh	/ 2/12/200
2,2-Dichloropropane	< 0.54	ug/l	0.54	1.7	2		8260	qh	/ 2/12/200
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	2		8260	qh	/ 2/12/200
2-Chloroethyl Vinyl Ether	< 1.4	ug/l	1.4	4.5	2		8260	qh	/ 2/12/200
2-Chlorotoluene	< 0.60	ug/l	0.60	1.9	2		8260	qh	/ 2/12/200
4-Chlorotoluene	< 0.52	ug/l	0.52	1.7	2		8260	qh	/ 2/12/200
4-Methyl-2-Pentanone	< 1.6	ug/l	1.6	5.1	2		8260	qh	/ 2/12/200
Acetone	< 3.1	ug/l	3.1	9.9	2		8260	qh	/ 2/12/200
Benzene	1.2	ug/l	0.54	1.7	2	J	8260	qh	/ 2/12/200
Bromobenzene	< 0.62	ug/l	0.62	2.0	2		8260	qh	/ 2/12/200
Bromochloromethane	< 0.74	ug/l	0.74	2.4	2		8260	qh	/ 2/12/200
Bromodichloromethane	< 0.76	ug/l	0.76	2.4	2		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.78	ug/l	0.78	2.5	2		8260	qh	/ 2/12/200
Bromomethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	/ 2/12/200
Carbon tetrachloride	< 0.54	ug/l	0.54	1.7	2		8260	qh	/ 2/12/200
Chlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	/ 2/12/200
Chloroethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	/ 2/12/200
Chloroform	< 0.48	ug/l	0.48	1.5	2		8260	qh	/ 2/12/200
Chloromethane	< 0.98	ug/l	0.98	3.1	2		8260	qh	/ 2/12/200
cis-1,2-Dichloroethene	30	ug/l	0.54	1.7	2		8260	qh	/ 2/12/200
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	2		8260	qh	/ 2/12/200
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	2		8260	qh	/ 2/12/200
Dibromomethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	/ 2/12/200
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	2		8260	qh	/ 2/12/200
Ethylbenzene	< 0.50	ug/l	0.50	1.6	2		8260	qh	/ 2/12/200
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	2		8260	qh	/ 2/12/200
Isopropyl Ether	< 0.60	ug/l	0.60	1.9	2		8260	qh	/ 2/12/200
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	2		8260	qh	/ 2/12/200
m&p-xylene	< 1.1	ug/l	1.1	3.4	2		8260	qh	/ 2/12/200
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	2		8260	qh	/ 2/12/200
Methylene chloride	< 0.60	ug/l	0.60	1.9	2		8260	qh	/ 2/12/200
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	/ 2/12/200
n-Propylbenzene	< 0.56	ug/l	0.56	1.8	2		8260	qh	/ 2/12/200
Naphthalene	< 1.5	ug/l	1.5	4.8	2		8260	qh	/ 2/12/200
o-xylene	< 0.50	ug/l	0.50	1.6	2		8260	qh	/ 2/12/200
p-Isopropyltoluene	< 0.62	ug/l	0.62	2.0	2		8260	qh	/ 2/12/200
sec-Butylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	/ 2/12/200
Styrene	< 0.50	ug/l	0.50	1.6	2		8260	qh	/ 2/12/200
tert-Butylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	/ 2/12/200
Tetrachloroethene	< 0.62	ug/l	0.62	2.0	2		8260	qh	/ 2/12/200
Toluene	< 0.58	ug/l	0.58	1.8	2		8260	qh	/ 2/12/200
trans-1,2-Dichloroethene	11	ug/l	0.50	1.6	2		8260	qh	/ 2/12/200
trans-1,3-Dichloropropene	< 0.52	ug/l	0.52	1.7	2		8260	qh	/ 2/12/200
Trichloroethene	33	ug/l	0.68	2.2	2		8260	qh	/ 2/12/200
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	2		8260	qh	/ 2/12/200
Vinyl chloride	1.8	ug/l	0.40	1.3	2		8260	qh	/ 2/12/200

Sample Number: 22365
Client ID: 001211MW14DP

QC Prep Batch Number:

Collection: 12/11/2000 Time: 09:30
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/12/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/12/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/12/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/12/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/12/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/12/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/12/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/12/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/12/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/12/200

Sample Number: 22366
Client ID: 001211MW15DP

QC Prep Batch Number:

Collection: 12/11/2000 Time: 09:40
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/12/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/12/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/12/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/12/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/12/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/12/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/12/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/12/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/12/200

Sample Number: 22367
Client ID: 001207MW16SP

QC Prep Batch Number:

Collection: 12/7/2000 Time: 11:25
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/12/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/12/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/12/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/12/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/12/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/12/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/12/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/12/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/12/200

Sample Number: 22368 QC Prep Batch Number: 995954 Collection: 12/7/2000 Time:
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 2/12/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 2/12/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 2/12/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 2/12/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 2/12/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 2/12/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 2/12/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 2/12/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000916**
DATE REPORTED: 21-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 2/12/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 2/12/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 2/12/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 2/12/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 2/12/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 2/12/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 2/12/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 2/12/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 2/12/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 2/12/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 2/12/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 2/12/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 2/12/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 2/12/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 2/12/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 2/12/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 2/12/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 2/12/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 2/12/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 2/12/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 2/12/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 2/12/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 2/12/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 2/12/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 2/12/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 2/12/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 2/12/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000916**
DATE REPORTED:	21-Dec-00
DATE RECEIVED:	11-Dec-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 12 19 00

James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000916**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 22360
Client ID: **001211MW02DP**
Collection: 12/11/2000 Time: 10:55
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	jz	12/15/2000	995917	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	tm	12/13/2000	995921	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	12/12/2000	995913	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	tm	12/13/2000	995921	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Iron - ICAP	1.4	mg/l	RJ	0.081	0.26	200.7	tm	12/13/2000	995921	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	12/13/2000	995910	
Manganese - ICAP	0.04	mg/l	RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	jz	12/19/2000	995951	
Nickel - ICAP	0.01	mg/l	J RJ	0.011	0.03	200.7	tm	12/13/2000	995921	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	12/19/2000	995953	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	tm	12/13/2000	995921	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	12/13/2000	995912	
Zinc - ICAP	0.04	mg/l	J RJ	0.014	0.04	200.7	tm	12/13/2000	995921	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	dmd	12/12/2000	995938	
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2	dmd	12/18/2000	995936	
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2	dmd	12/18/2000	995935	
pH (water)	7.1	s.u.	#			150.1	JZ	12/12/2000	995905	

Nova Sample Number: 22361
Client ID: **001207MW05DP**
Collection: 12/7/2000 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	jz	12/15/2000	995917	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	tm	12/13/2000	995921	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	12/12/2000	995913	
Chromium, Total - ICAP	0.02	mg/l	J RJ	0.008	0.03	200.7	tm	12/13/2000	995921	
Copper- ICAP	0.007	mg/l	J RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Iron - ICAP	2.6	mg/l	RJ	0.081	0.26	200.7	tm	12/13/2000	995921	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	12/13/2000	995910	
Manganese - ICAP	0.11	mg/l	RJ	0.006	0.02	200.7	tm	12/13/2000	995921	
Mercury CV	<0.0002	mg/l		0.0002	0.0006	245.1	jz	12/19/2000	995951	
Nickel - ICAP	0.01	mg/l	J RJ	0.011	0.03	200.7	tm	12/13/2000	995921	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000916**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**0.04**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	dmd	12/8/2000	*995938*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995936*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995935*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22362
Client ID: **001207MW13SP**
Collection: 12/7/2000 Time: 12:40
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz	12/15/2000	*995917*	
Barium - ICAP	**0.05**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/13/2000	*995921*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	12/12/2000	*995913*	
Chromium, Total - ICAP	**0.9**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	12/13/2000	*995921*	
Copper- ICAP	**0.007**	**mg/l**	***J* RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Iron - ICAP	**6.9**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/13/2000	*995921*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	12/13/2000	*995910*	
Manganese - ICAP	**0.09**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz	12/19/2000	*995951*	
Nickel - ICAP	**0.06**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	12/13/2000	*995921*	
Selenium - Furnace AA	**19**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	dmd	12/8/2000	*995938*	
Cyanide, Amenable	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995936*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995935*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22363
Client ID: **001207MW12BP**
Collection: 12/7/2000 Time: 12:55
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz	12/15/2000	*995917*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/13/2000	*995921*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000916**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	12/12/2000	*995913*	
Chromium, Total - ICAP	**0.03**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	12/13/2000	*995921*	
Copper- ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Iron - ICAP	**0.67**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/13/2000	*995921*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	12/13/2000	*995910*	
Manganese - ICAP	**0.11**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz	12/19/2000	*995951*	
Nickel - ICAP	**0.14**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	12/13/2000	*995921*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	dmd	12/8/2000	*995938*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995936*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995935*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22364
Client ID: **001207MW12DP**

Collection: 12/7/2000 Time: 11:00
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz	12/15/2000	*995917*	
Barium - ICAP	**0.08**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/13/2000	*995921*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	12/12/2000	*995913*	
Chromium, Total - ICAP	**0.009**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	12/13/2000	*995921*	
Copper- ICAP	**0.1**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Iron - ICAP	**1.3**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/13/2000	*995921*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	12/13/2000	*995910*	
Manganese - ICAP	**0.06**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz	12/19/2000	*995951*	
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	12/13/2000	*995921*	
Selenium - Furnace AA	**11**	**ug/l**	***J* RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	dmd	12/8/2000	*995938*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000916**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995936*	
Cyanide, Total	**0.01**	**mg/l**	*J*	0.006	0.02	335.2	dmd	12/18/2000	*995935*	
pH (water)	**7.1**	**s.u.**	#			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22365
Client ID: **001211MW14DP**
Collection: 12/11/2000 Time: 09:30
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz	12/15/2000	*995917*	
Barium - ICAP	**0.04**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/13/2000	*995921*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	12/12/2000	*995913*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	12/13/2000	*995921*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/13/2000	*995921*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	12/13/2000	*995910*	
Manganese - ICAP	**0.06**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz	12/19/2000	*995951*	
Nickel - ICAP	**0.01**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	12/13/2000	*995921*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	dmd	12/12/2000	*995938*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995936*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995935*	
pH (water)	**6.8**	**s.u.**	#			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22366
Client ID: **001211MW15DP**
Collection: 12/11/2000 Time: 09:40
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz	12/15/2000	*995917*	
Barium - ICAP	**0.13**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/13/2000	*995921*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	12/12/2000	*995913*	
Chromium, Total - ICAP	**0.009**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	12/13/2000	*995921*	
Copper- ICAP	**0.006**	**mg/l**	***J* RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Iron - ICAP	**0.08**	**mg/l**	***J* RJ**	0.081	0.26	200.7	tm	12/13/2000	*995921*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	12/13/2000	*995910*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000916**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Manganese - ICAP	**0.3**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz	12/19/2000	*995951*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	12/13/2000	*995921*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**0.01**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	dmd	12/12/2000	*995938*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995936*	
Cyanide, Total	**0.006**	**mg/l**	***J***	0.006	0.02	335.2	dmd	12/18/2000	*995935*	
pH (water)	**7.4**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

Nova Sample Number: 22367
Client ID: **001207MW16SP**

Collection: 12/7/2000 Time: 11:25
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz	12/15/2000	*995917*	
Barium - ICAP	**0.03**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/13/2000	*995921*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	12/12/2000	*995913*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	12/13/2000	*995921*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Iron - ICAP	**14**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/13/2000	*995921*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	12/13/2000	*995910*	
Manganese - ICAP	**0.38**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/13/2000	*995921*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	jz	12/19/2000	*995951*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	12/13/2000	*995921*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/13/2000	*995921*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz	12/13/2000	*995912*	
Zinc - ICAP	**0.06**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/13/2000	*995921*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	dmd	12/8/2000	*995938*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/18/2000	*995936*	
Cyanide, Total	**0.01**	**mg/l**	***J***	0.006	0.02	335.2	dmd	12/18/2000	*995935*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	JZ	12/12/2000	*995905*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000916**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 11-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

Approved By: _____ **Date:** 12/19/00

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Nova Sample Number: 22413
Client ID: **001218WA01P**
Collection: 12/18/2000 Time: 10:04
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	jz	12/22/2000	*995963*
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/26/2000	*995976*
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	tm	12/26/2000	*995977*
Chromium, Total - ICAP	**0.008**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	12/26/2000	*995976*
Copper- ICAP	**0.03**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/26/2000	*995976*
Iron - ICAP	**1**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/26/2000	*995976*
Lead - Furnace AA	**<1.5**	**ug/l**		1.5	4.8	239.2	jz	12/20/2000	*995956*
Manganese - ICAP	**0.14**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/26/2000	*995976*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	jz	12/20/2000	*995951*
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	12/26/2000	*995976*
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/26/2000	*995976*
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	jz	12/22/2000	*995975*
Zinc - ICAP	**0.01**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	12/26/2000	*995976*
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D		12/19/2000	*996075*
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	12/29/2000	*996010*
Cyanide, Total	**0.01**	**mg/l**	***J***	0.006	0.02	335.2	tm	12/29/2000	*996016*
pH (water)	**6.9**	**s.u.**	**#**			150.1	ogtp	12/18/2000	*995958*

Nova Sample Number: 22414
Client ID: **001218WA09R**
Collection: 12/18/2000 Time: 10:25
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	jz	12/22/2000	*995963*
Barium - ICAP	**0.009**	**mg/l**	***J* RJ**	0.007	0.02	200.7	tm	12/26/2000	*995976*
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	tm	12/26/2000	*995977*
Chromium, Total - ICAP	**0.009**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	12/26/2000	*995976*
Copper- ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/26/2000	*995976*
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/26/2000	*995976*
Lead - Furnace AA	**<1.5**	**ug/l**		1.5	4.8	239.2	jz	12/20/2000	*995956*
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/26/2000	*995976*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	jz	12/20/2000	*995951*
Nickel - ICAP	**0.01**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	12/26/2000	*995976*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**26**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/19/2000	*995953*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/26/2000	*995976*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	jz	12/22/2000	*995975*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/26/2000	*995976*	
Solids, Total Suspended	**3**	**mg/l**	*J*	1	3.2	SM 2540D	jz	12/22/2000	*995972*	

Nova Sample Number: 22415
Client ID: **001218WA02P**
Collection: 12/18/2000 Time: 10:25
Sample Description:

pH (water)	**9.5**	**s.u.**	#			150.1	ogtp	12/18/2000	*995958*	

Nova Sample Number: 22416
Client ID: **001218WA03P**
Collection: 12/18/2000 Time: 10:27
Sample Description:

pH (water)	**12**	**s.u.**	#			150.1	ogtp	12/18/2000	*995958*	

Nova Sample Number: 22417
Client ID: **001218WA05P**
Collection: 12/18/2000 Time: 10:20
Sample Description:

pH (water)	**7.8**	**s.u.**	#			150.1	ogtp	12/18/2000	*995958*	

Nova Sample Number: 22421
Client ID: **001218WA09P**
Collection: 12/18/2000 Time: 10:30
Sample Description:

Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D		12/19/2000	*996075*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	12/29/2000	*996010*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	12/29/2000	*996016*	
pH (water)	**7.3**	**s.u.**	#			150.1	ogtp	12/18/2000	*995958*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000930**
DATE REPORTED:	06-Feb-01
DATE RECEIVED:	18-Dec-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

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

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 22413 QC Prep Batch Number: 996026 Collection: 12/18/2000 Time: 10:04
Client ID: 001218WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	2/23/2000 / 2/23/200
1,1,1-Trichloroethane	156	ug/l	1.6	4.9	5		8260	qh	2/23/2000 / 2/23/200
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/23/2000 / 2/23/200
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethane	30	ug/l	1.6	5.1	5		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethene	14	ug/l	1.7	5.4	5		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/23/2000 / 2/23/200
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	2/23/2000 / 2/23/200
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	2/23/2000 / 2/23/200
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/23/2000 / 2/23/200
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/23/2000 / 2/23/200
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/23/2000 / 2/23/200
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2/23/2000 / 2/23/200
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	2/23/2000 / 2/23/200
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/23/2000 / 2/23/200
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	2/23/2000 / 2/23/200
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	2/23/2000 / 2/23/200
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/23/2000 / 2/23/200
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/23/2000 / 2/23/200
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	2/23/2000 / 2/23/200
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	2/23/2000 / 2/23/200
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/23/2000 / 2/23/200
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/23/2000 / 2/23/200
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/23/2000 / 2/23/200
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	2/23/2000 / 2/23/200
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/23/2000 / 2/23/200
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	2/23/2000 / 2/23/200
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/23/2000 / 2/23/200
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/23/2000 / 2/23/200
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	2/23/2000 / 2/23/200
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	2/23/2000 / 2/23/200
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	2/23/2000 / 2/23/200
cis-1,2-Dichloroethene	51	ug/l	1.4	4.3	5		8260	qh	2/23/2000 / 2/23/200
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/23/2000 / 2/23/200
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	2/23/2000 / 2/23/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	2/23/2000 / 2/23/200
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/23/2000 / 2/23/200
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/23/2000 / 2/23/200
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	2/23/2000 / 2/23/200
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/23/2000 / 2/23/200
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	2/23/2000 / 2/23/200
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	2/23/2000 / 2/23/200
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/23/2000 / 2/23/200
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/23/2000 / 2/23/200
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2/23/2000 / 2/23/200
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	2/23/2000 / 2/23/200
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	2/23/2000 / 2/23/200
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/23/2000 / 2/23/200
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/23/2000 / 2/23/200
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/23/2000 / 2/23/200
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/23/2000 / 2/23/200
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/23/2000 / 2/23/200
Tetrachloroethene	6.2	ug/l	1.6	4.9	5		8260	qh	2/23/2000 / 2/23/200
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	2/23/2000 / 2/23/200
trans-1,2-Dichloroethene	14	ug/l	1.3	4.0	5		8260	qh	2/23/2000 / 2/23/200
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/23/2000 / 2/23/200
Trichloroethene	500	ug/l	1.7	5.4	5		8260	qh	2/23/2000 / 2/23/200
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	2/23/2000 / 2/23/200
Vinyl chloride	1.5	ug/l	1.0	3.2	5	J	8260	qh	2/23/2000 / 2/23/200

Sample Number: 22418 QC Prep Batch Number: 996026 Collection: 12/18/2000 Time:
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/23/2000 / 2/23/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/23/2000 / 2/23/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/23/2000 / 2/23/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/23/2000 / 2/23/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/23/2000 / 2/23/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/23/2000 / 2/23/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/23/2000 / 2/23/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/23/2000 / 2/23/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/23/2000 / 2/23/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/23/2000 / 2/23/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/23/2000 / 2/23/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/23/2000 / 2/23/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/23/2000 / 2/23/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/23/2000 / 2/23/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/23/2000 / 2/23/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/23/2000 / 2/23/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/23/2000 / 2/23/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/23/2000 / 2/23/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/23/2000 / 2/23/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/23/2000 / 2/23/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/23/2000 / 2/23/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/23/2000 / 2/23/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/23/2000 / 2/23/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/23/2000 / 2/23/200

Sample Number: 22419 QC Prep Batch Number: 996026 Collection: 12/18/2000 Time: 10:20
Client ID: 001218WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/23/2000 / 2/23/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/23/2000 / 2/23/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/23/2000 / 2/23/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/23/2000 / 2/23/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/23/2000 / 2/23/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/23/2000 / 2/23/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/23/2000 / 2/23/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/23/2000 / 2/23/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/23/2000 / 2/23/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/23/2000 / 2/23/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/23/2000 / 2/23/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/23/2000 / 2/23/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/23/2000 / 2/23/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/23/2000 / 2/23/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/23/2000 / 2/23/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/23/2000 / 2/23/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/23/2000 / 2/23/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/23/2000 / 2/23/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/23/2000 / 2/23/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/23/2000 / 2/23/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/23/2000 / 2/23/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/23/2000 / 2/23/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
Trichloroethene	0.63	ug/l	0.34	1.1	1	J	8260	qh	2/23/2000 / 2/23/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/23/2000 / 2/23/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/23/2000 / 2/23/200

Sample Number: 22420 QC Prep Batch Number: 996026 Collection: 12/18/2000 Time: 10:23
Client ID: 001218WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/23/2000 / 2/23/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/23/2000 / 2/23/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/23/2000 / 2/23/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/23/2000 / 2/23/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/23/2000 / 2/23/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/23/2000 / 2/23/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/23/2000 / 2/23/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/23/2000 / 2/23/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/23/2000 / 2/23/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/23/2000 / 2/23/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/23/2000 / 2/23/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/23/2000 / 2/23/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/23/2000 / 2/23/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/23/2000 / 2/23/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/23/2000 / 2/23/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/23/2000 / 2/23/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/23/2000 / 2/23/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/23/2000 / 2/23/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/23/2000 / 2/23/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/23/2000 / 2/23/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/23/2000 / 2/23/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/23/2000 / 2/23/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/23/2000 / 2/23/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/23/2000 / 2/23/200

Sample Number: 22421 QC Prep Batch Number: 996026 Collection: 12/18/2000 Time: 10:30
Client ID: 001218WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/23/2000 / 2/23/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/23/2000 / 2/23/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/23/2000 / 2/23/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/23/2000 / 2/23/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/23/2000 / 2/23/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/23/2000 / 2/23/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/23/2000 / 2/23/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/23/2000 / 2/23/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/23/2000 / 2/23/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/23/2000 / 2/23/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/23/2000 / 2/23/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000930**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 18-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/23/2000 / 2/23/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/23/2000 / 2/23/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/23/2000 / 2/23/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/23/2000 / 2/23/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/23/2000 / 2/23/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/23/2000 / 2/23/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/23/2000 / 2/23/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/23/2000 / 2/23/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/23/2000 / 2/23/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/23/2000 / 2/23/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/23/2000 / 2/23/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/23/2000 / 2/23/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/23/2000 / 2/23/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/23/2000 / 2/23/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/23/2000 / 2/23/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/23/2000 / 2/23/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/23/2000 / 2/23/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/23/2000 / 2/23/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/23/2000 / 2/23/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/23/2000 / 2/23/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/23/2000 / 2/23/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/23/2000 / 2/23/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/23/2000 / 2/23/200

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000930**
DATE REPORTED:	08-Jan-01
DATE RECEIVED:	18-Dec-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

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

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

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Sample Number: 22288 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 07:40
Client ID: 001204EW01P 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	12/6/2000 /
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 /
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 /
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 /
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 /
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2000 /
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 /
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 /
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2000 /
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 /
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 /
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 /
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 /
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 /
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 /
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 /
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2000 /
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 /
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 /
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 /
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 /
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 /
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 /
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 /
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 /
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 /
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 /
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2000 /
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 /
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2000 /
cis-1,2-Dichloroethene	0.92	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 /
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 /

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 /
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 /
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 /
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 /
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 /
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 /
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 /
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2000 /
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 /
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 /
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 /
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 /
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 /
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2000 /
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 /
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 /
Trichloroethene	6.7	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 /
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2000 /

Sample Number: 22289 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 07:50
Client ID: 001204EW02P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2000 / 12/5/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethane	1.7	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

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	12/6/2000 / 12/5/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2000 / 12/5/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 / 12/5/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 / 12/5/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 / 12/5/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 / 12/5/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2000 / 12/5/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,2-Dichloroethene	9.8	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 / 12/5/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2000 / 12/5/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 / 12/5/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,2-Dichloroethene	3.2	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

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	12/6/2000 / 12/5/2000
Trichloroethene	15	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2000 / 12/5/2000

Sample Number: 22290 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 08:00
Client ID: 001204EW03P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2000 / 12/5/2000
1,1,1-Trichloroethane	6.8	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethane	11	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethene	3.7	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2000 / 12/5/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 / 12/5/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 / 12/5/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 / 12/5/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 / 12/5/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,2-Dichloroethene	21	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 / 12/5/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2000 / 12/5/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 / 12/5/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,2-Dichloroethene	1.4	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Trichloroethene	91	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Vinyl chloride	0.43	ug/l	0.20	0.64	1	J	8260	qh	12/6/2000 / 12/5/2000

Sample Number: 22291 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 08:10
Client ID: 001204EW04P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2000 / 12/5/2000
1,1,1-Trichloroethane	501	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethane	30	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethene	44	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

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	12/6/2000 / 12/5/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2000 / 12/5/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 / 12/5/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 / 12/5/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 / 12/5/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 / 12/5/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Chloroethane	32	ug/l	0.64	2.0	1		8260	qh	12/6/2000 / 12/5/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Chloromethane	0.97	ug/l	0.49	1.6	1	J	8260	qh	12/6/2000 / 12/5/2000
cis-1,2-Dichloroethene	87	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 / 12/5/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2000 / 12/5/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 / 12/5/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Tetrachloroethene	23	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,2-Dichloroethene	63	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Trichloroethene	1080	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Vinyl chloride	3.3	ug/l	0.20	0.64	1		8260	qh	12/6/2000 / 12/5/2000

Sample Number: 22292 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 08:20
Client ID: 001204EW05P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2000 / 12/5/2000
1,1,1-Trichloroethane	131	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2-Trichloroethane	0.94	ug/l	0.44	1.4	1	J	8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethane	75	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethene	11	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trichlorobenzene	1.2	ug/l	0.47	1.5	1	J	8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trimethylbenzene	0.34	ug/l	0.30	0.95	1	J	8260	qh	12/6/2000 / 12/5/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichlorobenzene	0.80	ug/l	0.34	1.1	1	J	8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2000 / 12/5/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 / 12/5/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 / 12/5/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 / 12/5/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 / 12/5/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Chlorobenzene	6.0	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Chloroethane	1.7	ug/l	0.64	2.0	1	J	8260	qh	12/6/2000 / 12/5/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,2-Dichloroethene	85	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 / 12/5/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2000 / 12/5/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 / 12/5/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Tetrachloroethene	0.65	ug/l	0.31	0.99	1	J	8260	qh	12/6/2000 / 12/5/2000
Toluene	0.41	ug/l	0.29	0.92	1	J	8260	qh	12/6/2000 / 12/5/2000
trans-1,2-Dichloroethene	6.2	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Trichloroethene	700	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Vinyl chloride	1.6	ug/l	0.20	0.64	1		8260	qh	12/6/2000 / 12/5/2000

Sample Number: 22293 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 07:30
Client ID: 001204wW01P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2000 /
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 /
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 /
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 /
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 /
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

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	12/6/2000 /
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 /
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 /
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2000 /
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 /
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 /
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 /
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 /
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 /
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 /
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 /
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2000 /
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 /
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 /
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 /
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 /
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 /
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 /
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 /
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 /
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 /
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 /
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2000 /
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 /
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2000 /
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 /
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 /
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 /
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 /
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 /
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 /
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 /
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 /
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 /
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 /

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

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	12/6/2000 /
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 /
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 /
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 /
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 /
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 /
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 /
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2000 /
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 /
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 /
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 /
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 /
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2000 /

Sample Number: 22294 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 09:05
Client ID: 001204WA01P Sample Description:

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	12/6/2000 /
1,1,1-Trichloroethane	104	ug/l	1.6	4.9	5		8260	qh	12/6/2000 /
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	12/6/2000 /
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	12/6/2000 /
1,1-Dichloroethane	21	ug/l	1.6	5.1	5		8260	qh	12/6/2000 /
1,1-Dichloroethene	10	ug/l	1.7	5.4	5		8260	qh	12/6/2000 /
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	12/6/2000 /
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	12/6/2000 /
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	12/6/2000 /
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	12/6/2000 /
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	12/6/2000 /
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	12/6/2000 /
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	12/6/2000 /
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	12/6/2000 /
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	12/6/2000 /
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	12/6/2000 /
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	12/6/2000 /
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	12/6/2000 /
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	12/6/2000 /
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	12/6/2000 /
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	12/6/2000 /
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	12/6/2000 /
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	12/6/2000 /
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	12/6/2000 /
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	12/6/2000 /
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	12/6/2000 /

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	< 7.8	**ug/l**	7.8	25	5		8260	qh	12/6/2000 /
Benzene	< 1.4	**ug/l**	1.4	4.3	5		8260	qh	12/6/2000 /
Bromobenzene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	12/6/2000 /
Bromochloromethane	< 1.9	**ug/l**	1.9	5.9	5		8260	qh	12/6/2000 /
Bromodichloromethane	< 1.9	**ug/l**	1.9	6.0	5		8260	qh	12/6/2000 /
Bromoform	< 2.0	**ug/l**	2.0	6.2	5		8260	qh	12/6/2000 /
Bromomethane	< 3.3	**ug/l**	3.3	10	5		8260	qh	12/6/2000 /
Carbon tetrachloride	< 1.4	**ug/l**	1.4	4.3	5		8260	qh	12/6/2000 /
Chlorobenzene	< 1.3	**ug/l**	1.3	4.1	5		8260	qh	12/6/2000 /
Chloroethane	< 3.2	**ug/l**	3.2	10	5		8260	qh	12/6/2000 /
Chloroform	< 1.2	**ug/l**	1.2	3.8	5		8260	qh	12/6/2000 /
Chloromethane	< 2.5	**ug/l**	2.5	7.8	5		8260	qh	12/6/2000 /
cis-1,2-Dichloroethene	35	**ug/l**	1.4	4.3	5		8260	qh	12/6/2000 /
cis-1,3-Dichloropropene	< 1.9	**ug/l**	1.9	5.9	5		8260	qh	12/6/2000 /
Dibromochloromethane	< 2.1	**ug/l**	2.1	6.5	5		8260	qh	12/6/2000 /
Dibromomethane	< 2.3	**ug/l**	2.3	7.3	5		8260	qh	12/6/2000 /
Dichlorodifluoromethane	< 1.4	**ug/l**	1.4	4.3	5		8260	qh	12/6/2000 /
Ethylbenzene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	12/6/2000 /
Hexachlorobutadiene	< 2.1	**ug/l**	2.1	6.7	5		8260	qh	12/6/2000 /
Isopropyl Ether	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	12/6/2000 /
Isopropylbenzene	< 1.7	**ug/l**	1.7	5.2	5		8260	qh	12/6/2000 /
m&p-xylene	< 2.7	**ug/l**	2.7	8.4	5		8260	qh	12/6/2000 /
Methyl-t-butyl ether	< 2.0	**ug/l**	2.0	6.2	5		8260	qh	12/6/2000 /
Methylene chloride	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	12/6/2000 /
n-Butylbenzene	< 1.8	**ug/l**	1.8	5.7	5		8260	qh	12/6/2000 /
n-Propylbenzene	< 1.4	**ug/l**	1.4	4.5	5		8260	qh	12/6/2000 /
Naphthalene	< 3.8	**ug/l**	3.8	12	5		8260	qh	12/6/2000 /
o-xylene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	12/6/2000 /
p-Isopropyltoluene	< 1.6	**ug/l**	1.6	4.9	5		8260	qh	12/6/2000 /
sec-Butylbenzene	< 1.7	**ug/l**	1.7	5.4	5		8260	qh	12/6/2000 /
Styrene	< 1.3	**ug/l**	1.3	4.0	5		8260	qh	12/6/2000 /
tert-Butylbenzene	< 1.5	**ug/l**	1.5	4.8	5		8260	qh	12/6/2000 /
Tetrachloroethene	4.1	**ug/l**	1.6	4.9	5	*J*	8260	qh	12/6/2000 /
Toluene	< 1.5	**ug/l**	1.5	4.6	5		8260	qh	12/6/2000 /
trans-1,2-Dichloroethene	11	**ug/l**	1.3	4.0	5		8260	qh	12/6/2000 /
trans-1,3-Dichloropropene	< 1.3	**ug/l**	1.3	4.1	5		8260	qh	12/6/2000 /
Trichloroethene	367	**ug/l**	1.7	5.4	5		8260	qh	12/6/2000 /
Trichlorofluoromethane	< 1.2	**ug/l**	1.2	3.8	5		8260	qh	12/6/2000 /
Vinyl chloride	1.2	**ug/l**	1.0	3.2	5	*J*	8260	qh	12/6/2000 /

Sample Number: 22298 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 09:27
Client ID: 001204WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

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	12/6/2000 / 12/5/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2000 / 12/5/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 / 12/5/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 / 12/5/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 / 12/5/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 / 12/5/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2000 / 12/5/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,2-Dichloroethene	0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 / 12/5/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2000 / 12/5/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 / 12/5/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Trichloroethene	1.4	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2000 / 12/5/2000

Sample Number: 22299 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 09:30
Client ID: 001204WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2000 / 12/5/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

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	12/6/2000 / 12/5/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 / 12/5/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 / 12/5/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 / 12/5/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 / 12/5/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2000 / 12/5/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 / 12/5/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2000 / 12/5/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 / 12/5/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Sample Number: 22300 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time:
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	12/6/2000 / 12/5/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2000 / 12/5/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 / 12/5/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 / 12/5/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 / 12/5/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 / 12/5/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2000 / 12/5/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 / 12/5/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2000 / 12/5/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 / 12/5/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2000 / 12/5/2000

Sample Number: 22302 QC Prep Batch Number: 995889 Collection: 12/4/2000 Time: 09:10
Client ID: 001204WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2000 / 12/5/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2000 / 12/5/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2000 / 12/5/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

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	12/6/2000 / 12/5/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2000 / 12/5/2000
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2000 / 12/5/2000
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2000 / 12/5/2000
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2000 / 12/5/2000
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2000 / 12/5/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2000 / 12/5/2000
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2000 / 12/5/2000
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2000 / 12/5/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2000 / 12/5/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2000 / 12/5/2000
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2000 / 12/5/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2000 / 12/5/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2000 / 12/5/2000
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2000 / 12/5/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2000 / 12/5/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2000 / 12/5/2000
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2000 / 12/5/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2000 / 12/5/2000
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2000 / 12/5/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2000 / 12/5/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000898**
DATE REPORTED: 11-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

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	12/6/2000 / 12/5/2000
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	12/6/2000 / 12/5/2000
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	12/6/2000 / 12/5/2000
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	12/6/2000 / 12/5/2000

Approved By: _____ **Date:** 12/12/00
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000898**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Nova Sample Number: 22288
Client ID: **001204EW01P**
Collection: 12/4/2000 Time: 07:40
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	jz dmd	12/7/200	*995870*	
Barium - ICAP	**0.07**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/11/2000	*995893*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	12/11/2000	*995893*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Iron - ICAP	**0.49**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/11/2000	*995893*	
Lead - Furnace AA	**2**	**ug/l**	*J*	1.5	4.8	239.2	jz	12/5/2000	*995850*	
Manganese - ICAP	**0.24**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*	
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	12/11/2000	*995893*	
Selenium - Furnace AA	**6**	**ug/l**	*J* **RJ**	4.8	15	270.2	jz	12/7/2000	*995871*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/11/2000	*995893*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/11/2000	*995893*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	12/12/2000	*995900*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995898*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995897*	
pH (water)	**6.9**	**s.u.**	#			150.1	ocon	12/4/2000	*995830*	

Nova Sample Number: 22289
Client ID: **001204EW02P**
Collection: 12/4/2000 Time: 07:50
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz dmd	12/7/200	*995870*	
Barium - ICAP	**0.09**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/11/2000	*995893*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*	
Chromium, Total - ICAP	**0.04**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	12/11/2000	*995893*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Iron - ICAP	**12**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/11/2000	*995893*	
Lead - Furnace AA	**2.6**	**ug/l**	*J*	1.5	4.8	239.2	jz	12/5/2000	*995850*	
Manganese - ICAP	**0.08**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*	
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	12/11/2000	*995893*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000898**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**5.6**	**ug/l**	*J* **RJ**	4.8	15	270.2	jz	12/7/2000	*995871*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/11/2000	*995893*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/11/2000	*995893*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	12/12/2000	*995900*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995898*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995897*	
pH (water)	**6.9**	**s.u,**	#			150.1	ocon	12/4/2000	*995830*	

Nova Sample Number: 22290
Client ID: **001204EW03P**
Collection: 12/4/2000 Time: 08:00
Sample Description:

Arsenic - Furnace AA	**7.9**	**ug/l**	*J* **RJ**	5.6	18	206.2	jz dmd	12/7/200	*995870*	
Barium - ICAP	**0.13**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/11/2000	*995893*	
Cadmium - Furnace AA	**3.1**	**ug/l**	**RJ**	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*	
Cadmium-Total Recoverable	**2.7**	**ug/l**	**TR**	0.4	1.3	7131	dmd	12/6/2000	*995860*	
Chromium, Total - ICAP	**0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	12/11/2000	*995893*	
Copper- ICAP	**0.009**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Iron - ICAP	**2.3**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/11/2000	*995893*	
Lead - Furnace AA	**1.5**	**ug/l**	*J*	1.5	4.8	239.2	jz	12/5/2000	*995850*	
Manganese - ICAP	**0.08**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*	
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	12/11/2000	*995893*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/7/2000	*995871*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/11/2000	*995893*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/11/2000	*995893*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	12/12/2000	*995900*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995898*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995897*	
pH (water)	**7**	**s.u.**	#			150.1	ocon	12/4/2000	*995830*	

Nova Sample Number: 22291
Client ID: **001204EW04P**
Collection: 12/4/2000 Time: 08:10
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz dmd	12/7/200	*995870*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000898**
DATE REPORTED:	19-Dec-00
DATE RECEIVED:	04-Dec-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Quarterly
PROJECT NAME:	

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Barium - ICAP	**0.14**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/11/2000	*995893*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	12/11/2000	*995893*	
Copper- ICAP	**0.009**	**mg/l**	***J* RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Iron - ICAP	**1.8**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/11/2000	*995893*	
Lead - Furnace AA	**2.2**	**ug/l**	***J***	1.5	4.8	239.2	jz	12/5/2000	*995850*	
Manganese - ICAP	**0.37**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*	
Nickel - ICAP	**0.11**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	12/11/2000	*995893*	
Selenium - Furnace AA	**7.4**	**ug/l**	***J* RJ**	4.8	15	270.2	jz	12/7/2000	*995871*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/11/2000	*995893*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	12/11/2000	*995893*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	12/12/2000	*995900*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995898*	
Cyanide, Total	**0.03**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995897*	
pH (water)	**6.9**	**s.u.**	**#**			150.1	ocon	12/4/2000	*995830*	

Nova Sample Number: 22292

Client ID: **001204EW05P**

Collection: 12/4/2000 Time: 08:20

Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz dmd	12/7/200	*995870*	
Barium - ICAP	**0.14**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	12/11/2000	*995893*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	12/11/2000	*995893*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Iron - ICAP	**3.2**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/11/2000	*995893*	
Lead - Furnace AA	**<1.5**	**ug/l**		1.5	4.8	239.2	jz	12/5/2000	*995850*	
Manganese - ICAP	**0.1**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	12/11/2000	*995893*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/7/2000	*995871*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/11/2000	*995893*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	12/11/2000	*995893*	

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000898**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	12/12/2000	*995900*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995898*	
Cyanide, Total	**0.04**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995897*	
pH (water)	**7.2**	**s.u.**	#			150.1	ocon	12/4/2000	*995830*	

Nova Sample Number: 22293
Client ID: **001204wW01P**
Collection: 12/4/2000 Time: 07:30
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jz dmd	12/7/200	*995870*
Barium - ICAP	**0.32**	**mg/l**		**RJ**	0.007	0.02	200.7	tm	12/11/2000	*995893*
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	12/11/2000	*995893*
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*
Iron - ICAP	**0.12**	**mg/l**	*J*	**RJ**	0.081	0.26	200.7	tm	12/11/2000	*995893*
Lead - Furnace AA	**4**	**ug/l**	*J*		1.5	4.8	239.2	jz	12/5/2000	*995850*
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	tm	12/11/2000	*995893*
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jz	12/7/2000	*995871*
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	tm	12/11/2000	*995893*
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*
Zinc - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	tm	12/11/2000	*995893*
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	ta	12/12/2000	*995900*
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	12/12/2000	*995898*
Cyanide, Total	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	12/12/2000	*995897*
pH (water)	**7.1**	**s.u.**	#				150.1	ocon	12/4/2000	*995830*

Nova Sample Number: 22294
Client ID: **001204WA01P**
Collection: 12/4/2000 Time: 09:05
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jz dmd	12/7/200	*995870*
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.007	0.02	200.7	tm	12/11/2000	*995893*
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	12/11/2000	*995893*
Copper- ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*
Iron - ICAP	**0.95**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	12/11/2000	*995893*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000898
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Lead - Furnace AA	**1.7**	**ug/l**	*J*	1.5	4.8	239.2	jz	12/5/2000	*995850*	
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*	
Nickel - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	12/11/2000	*995893*	
Selenium - Furnace AA	**30**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/7/2000	*995871*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/11/2000	*995893*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/11/2000	*995893*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	12/12/2000	*995900*	
COD. Total	**14**	**mg/l**		3.4	11	410.4-CT	12805	12/6/2000	*995946*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995898*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995897*	
pH (water)	**6.9**	**s.u.**	#			150.1	ocon	12/4/2000	*995830*	
Solids, Total Suspended	**41**	**mg/l**		1	3.2	SM 2540D	jz	12/6/2000	*995854*	

Nova Sample Number: 22295
Client ID: **001204WA09R**

Collection: 12/4/2000 Time: 09:20
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz dmd	12/7/200	*995870*	
Barium - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	tm	12/11/2000	*995893*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	12/11/2000	*995893*	
Copper- ICAP	**0.01**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/11/2000	*995893*	
Lead - Furnace AA	**<1.5**	**ug/l**		1.5	4.8	239.2	jz	12/5/2000	*995850*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	12/11/2000	*995893*	
Selenium - Furnace AA	**6**	**ug/l**	*J* **RJ**	4.8	15	270.2	jz	12/7/2000	*995871*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/11/2000	*995893*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/11/2000	*995893*	
COD. Total	**21**	**mg/l**		3.4	11	410.4-CT	12805	12/6/2000	*995946*	
Nitrate + Nitrite Nitrogen	**1.3**	**mg/l**		0.03	0.10	353.3	12805	12/11/2000	*995948*	
Nitrogen, Ammonia	**<0.1**	**mg/l**		0.1	0.32	350.1	12805	12/14/2000	*995950*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000898**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Phosphorus, Total	**<0.1**	**mg/l**		0.1	0.32	365.2	12805	12/13/2000	*995949*	
Solids, Total Suspended	**765**	**mg/l**		1	3.2	SM 2540D	jz	12/6/2000	*995854*	
Nova Sample Number: 22296										
Client ID: **001204WA02P**							Collection: 12/4/2000 Sample Description:		Time: 09:32	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995898*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995897*	
pH (water)	**9.5**	**s.u.**	#			150.1	ocon	12/4/2000	*995830*	
Nova Sample Number: 22297										
Client ID: **001204WA05P**							Collection: 12/4/2000 Sample Description:		Time: 09:15	
Arsenic - Furnace AA	**<5.6**	**ug/l**	RJ	5.6	18	206.2	jz dmd	12/7/200	*995870*	
Barium - ICAP	**0.01**	**mg/l**	*J* RJ	0.007	0.02	200.7	tm	12/11/2000	*995893*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	TTR	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	RJ	0.008	0.03	200.7	tm	12/11/2000	*995893*	
Copper- ICAP	**<0.006**	**mg/l**	RJ	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Iron - ICAP	**<0.081**	**mg/l**	RJ	0.081	0.26	200.7	tm	12/11/2000	*995893*	
Lead - Furnace AA	**2**	**ug/l**	*J*	1.5	4.8	239.2	jz	12/5/2000	*995850*	
Manganese - ICAP	**<0.006**	**mg/l**	RJ	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Mercury CV	**<0.0002**	**mg/l**	RJ	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*	
Nickel - ICAP	**<0.011**	**mg/l**	RJ	0.011	0.03	200.7	tm	12/11/2000	*995893*	
Selenium - Furnace AA	**<4.8**	**ug/l**	RJ	4.8	15	270.2	jz	12/7/2000	*995871*	
Silver - ICAP	**<0.004**	**mg/l**	RJ	0.004	0.01	200.7	tm	12/11/2000	*995893*	
Thallium - Furnace AA	**<1.3**	**ug/l**	RJ	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*	
Zinc - ICAP	**<0.014**	**mg/l**	RJ	0.014	0.04	200.7	tm	12/11/2000	*995893*	
pH (water)	**7.6**	**s.u.**	#			150.1	ocon	12/4/2000	*995830*	
Nova Sample Number: 22298										
Client ID: **001204WA07P**							Collection: 12/4/2000 Sample Description:		Time: 09:27	
Arsenic - Furnace AA	**<5.6**	**ug/l**	RJ	5.6	18	206.2	jz dmd	12/7/200	*995870*	
Barium - ICAP	**0.01**	**mg/l**	*J* RJ	0.007	0.02	200.7	tm	12/11/2000	*995893*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	TTR	0.4	1.3	213.2	jz dmd	12/6/2000	*995855*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	RJ	0.008	0.03	200.7	tm	12/11/2000	*995893*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000898**
DATE REPORTED: 19-Dec-00
DATE RECEIVED: 04-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Quarterly
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Copper- ICAP	**<0.01**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	12/11/2000	*995893*	
Lead - Furnace AA	**4.9**	**ug/l**		1.5	4.8	239.2	jz	12/5/2000	*995850*	
Manganese - ICAP	**0.006**	**mg/l**	***J* RJ**	0.006	0.02	200.7	tm	12/11/2000	*995893*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm/jz	12/8/2000	*995885*	
Nickel - ICAP	**0.01**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	12/11/2000	*995893*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jz	12/7/2000	*995871*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	12/11/2000	*995893*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jz dmd	12/6/2000	*995862*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	12/11/2000	*995893*	

Nova Sample Number: 22301
Client ID: **001204WA03P**
Collection: 12/4/2000 Time: 09:34
Sample Description:

pH (water)	**12**	**s.u.**	**#**			150.1	ocon	12/4/2000	*995830*	

Nova Sample Number: 22302
Client ID: **001204WA09P**
Collection: 12/4/2000 Time: 09:10
Sample Description:

Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	ta	12/12/2000	*995900*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995898*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	12/12/2000	*995897*	
pH (water)	**7.2**	**s.u.**	**#**			150.1	ocon	12/4/2000	*995830*	

Approved By: _____ **Date:** 12/18/00
James Chang, Ph.D. , Lab Director

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

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

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

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20000951**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Nova Sample Number: 22508
Client ID: **001226WA01P**
Collection: 12/27/2000 Time: 08:35
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**11**	**ug/l**	*J* **RJ**	5.6	18	206.2	jz	1/4/2001	*996047*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	1/3/2001	*996041*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	1/4/2001	*996049*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	1/3/2001	*996041*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/3/2001	*996041*	
Iron - ICAP	**0.86**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	1/3/2001	*996041*	
Lead - Furnace AA	**<1.5**	**ug/l**		1.5	4.8	239.2	jz	1/2/2001	*996030*	
Manganese - ICAP	**0.14**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/3/2001	*996041*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	12/28/2000	*996018*	
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	1/3/2001	*996041*	
Selenium - Furnace AA	**17**	**ug/l**		4.8	15	270.2	jz	1/10/2001	*996091*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	1/3/2001	*996041*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	1/8/2001	*996072*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	1/3/2001	*996041*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D		12/27/2000	*996075*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	12/29/2000	*996010*	
Cyanide, Total	**0.01**	**mg/l**	*J*	0.006	0.02	335.2	tm	12/29/2000	*996016*	
pH (water)	**6.8**	**s.u.**	#			150.1	ogtp	12/27/2000	*996038*	

Nova Sample Number: 22509
Client ID: **001226WA09R**
Collection: 12/27/2000 Time: 08:55
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jz	1/4/2001	*996047*	
Barium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	1/3/2001	*996041*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jz	1/4/2001	*996049*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	1/3/2001	*996041*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/3/2001	*996041*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	1/3/2001	*996041*	
Lead - Furnace AA	**<1.5**	**ug/l**		1.5	4.8	239.2	jz	1/2/2001	*996030*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	1/3/2001	*996041*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	12/28/2000	*996018*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	1/3/2001	*996041*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000951**
DATE REPORTED: 06-Feb-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	jz	1/10/2001	*996091*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	1/3/2001	*996041*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	1/8/2001	*996072*	
Zinc - ICAP	**<0.011**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	1/3/2001	*996041*	
Nova Sample Number: 22510										
Client ID: **001226WA02P**								Collection: 12/27/2000	Time: 08:38	
								Sample Description:		
pH (water)	**9.6**	**s.u.**	**#**			150.1	ogtp	12/27/2000	*996038*	
Nova Sample Number: 22511										
Client ID: **001226WA03P**								Collection: 12/27/2000	Time: 08:40	
								Sample Description:		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	12/27/2000	*996038*	
Nova Sample Number: 22512										
Client ID: **001226WA05P**								Collection: 12/27/2000	Time: 08:43	
								Sample Description:		
pH (water)	**8.1**	**s.u.**	**#**			150.1	ogtp	12/27/2000	*996038*	
Nova Sample Number: 22516										
Client ID: **001226WA09P**								Collection: 12/27/2000	Time: 08:55	
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D		12/27/2000		
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	12/29/2000	*996010*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	tm	12/29/2000	*996016*	
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	12/27/2000	*996038*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000951**
DATE REPORTED:	06-Feb-01
DATE RECEIVED:	27-Dec-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 2/15/01
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
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000951**
DATE REPORTED: 07-Jan-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 22508 QC Prep Batch Number: 996066 Collection: 12/27/2000 Time:08:35
Client ID: 001226WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	2/28/2000 / 2/28/200
1,1,1-Trichloroethane	142	ug/l	1.6	4.9	5		8260	qh	2/28/2000 / 2/28/200
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/28/2000 / 2/28/200
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethane	29	ug/l	1.6	5.1	5		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/28/2000 / 2/28/200
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	2/28/2000 / 2/28/200
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	2/28/2000 / 2/28/200
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/28/2000 / 2/28/200
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/28/2000 / 2/28/200
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/28/2000 / 2/28/200
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2/28/2000 / 2/28/200
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	2/28/2000 / 2/28/200
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/28/2000 / 2/28/200
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	2/28/2000 / 2/28/200
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	2/28/2000 / 2/28/200
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/28/2000 / 2/28/200
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/28/2000 / 2/28/200
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	2/28/2000 / 2/28/200
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	2/28/2000 / 2/28/200
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/28/2000 / 2/28/200
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/28/2000 / 2/28/200
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/28/2000 / 2/28/200
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	2/28/2000 / 2/28/200
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/28/2000 / 2/28/200
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	2/28/2000 / 2/28/200
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/28/2000 / 2/28/200
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/28/2000 / 2/28/200
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	2/28/2000 / 2/28/200
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	2/28/2000 / 2/28/200
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	2/28/2000 / 2/28/200
cis-1,2-Dichloroethene	47	ug/l	1.4	4.3	5		8260	qh	2/28/2000 / 2/28/200
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	2/28/2000 / 2/28/200
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	2/28/2000 / 2/28/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000951**
DATE REPORTED: 07-Jan-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	2/28/2000 / 2/28/200
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2/28/2000 / 2/28/200
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/28/2000 / 2/28/200
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	2/28/2000 / 2/28/200
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/28/2000 / 2/28/200
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	2/28/2000 / 2/28/200
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	2/28/2000 / 2/28/200
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	2/28/2000 / 2/28/200
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/28/2000 / 2/28/200
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2/28/2000 / 2/28/200
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	2/28/2000 / 2/28/200
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	2/28/2000 / 2/28/200
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/28/2000 / 2/28/200
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2/28/2000 / 2/28/200
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2/28/2000 / 2/28/200
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2/28/2000 / 2/28/200
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2/28/2000 / 2/28/200
Tetrachloroethene	4.3	ug/l	1.6	4.9	5	J	8260	qh	2/28/2000 / 2/28/200
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	2/28/2000 / 2/28/200
trans-1,2-Dichloroethene	13	ug/l	1.3	4.0	5		8260	qh	2/28/2000 / 2/28/200
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2/28/2000 / 2/28/200
Trichloroethene	470	ug/l	1.7	5.4	5		8260	qh	2/28/2000 / 2/28/200
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	2/28/2000 / 2/28/200
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	2/28/2000 / 2/28/200

Sample Number: 22513 QC Prep Batch Number: 996066 Collection: 12/27/2000 Time:
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/28/2000 / 2/28/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/28/2000 / 2/28/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000951**
DATE REPORTED: 07-Jan-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/28/2000 / 2/28/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/28/2000 / 2/28/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/28/2000 / 2/28/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/28/2000 / 2/28/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/28/2000 / 2/28/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/28/2000 / 2/28/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/28/2000 / 2/28/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/28/2000 / 2/28/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/28/2000 / 2/28/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/28/2000 / 2/28/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/28/2000 / 2/28/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/28/2000 / 2/28/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/28/2000 / 2/28/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/28/2000 / 2/28/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/28/2000 / 2/28/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/28/2000 / 2/28/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/28/2000 / 2/28/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/28/2000 / 2/28/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/28/2000 / 2/28/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/28/2000 / 2/28/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000951**
DATE REPORTED: 07-Jan-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/28/2000 / 2/28/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/28/2000 / 2/28/200

Sample Number: 22514 QC Prep Batch Number: 996066 Collection: 12/27/2000 Time: 08:48
Client ID: 001226WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/28/2000 / 2/28/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/28/2000 / 2/28/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/28/2000 / 2/28/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/28/2000 / 2/28/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/28/2000 / 2/28/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/28/2000 / 2/28/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/28/2000 / 2/28/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/28/2000 / 2/28/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromodichloromethane	0.41	ug/l	0.38	1.2	1	J	8260	qh	2/28/2000 / 2/28/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/28/2000 / 2/28/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/28/2000 / 2/28/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000951**
DATE REPORTED: 07-Jan-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/28/2000 / 2/28/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/28/2000 / 2/28/200
cis-1,2-Dichloroethene	0.32	ug/l	0.27	0.86	1	J	8260	qh	2/28/2000 / 2/28/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/28/2000 / 2/28/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/28/2000 / 2/28/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/28/2000 / 2/28/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/28/2000 / 2/28/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/28/2000 / 2/28/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/28/2000 / 2/28/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/28/2000 / 2/28/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/28/2000 / 2/28/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/28/2000 / 2/28/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/28/2000 / 2/28/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
Trichloroethene	1.3	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/28/2000 / 2/28/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/28/2000 / 2/28/200

Sample Number: 22515 QC Prep Batch Number: 996066 Collection: 12/27/2000 Time: 08:50
Client ID: 001226WA08P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/28/2000 / 2/28/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000951**
DATE REPORTED: 07-Jan-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/28/2000 / 2/28/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/28/2000 / 2/28/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/28/2000 / 2/28/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/28/2000 / 2/28/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/28/2000 / 2/28/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/28/2000 / 2/28/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/28/2000 / 2/28/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/28/2000 / 2/28/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/28/2000 / 2/28/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/28/2000 / 2/28/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/28/2000 / 2/28/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/28/2000 / 2/28/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/28/2000 / 2/28/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/28/2000 / 2/28/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/28/2000 / 2/28/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/28/2000 / 2/28/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/28/2000 / 2/28/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/28/2000 / 2/28/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/28/2000 / 2/28/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/28/2000 / 2/28/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000951**
DATE REPORTED: 07-Jan-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/28/2000 / 2/28/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/28/2000 / 2/28/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/28/2000 / 2/28/200

Sample Number: 22516 QC Prep Batch Number: 996066 Collection: 12/27/2000 Time: 08:55
Client ID: 001226WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/28/2000 / 2/28/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/28/2000 / 2/28/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/28/2000 / 2/28/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/28/2000 / 2/28/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/28/2000 / 2/28/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/28/2000 / 2/28/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/28/2000 / 2/28/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/28/2000 / 2/28/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/28/2000 / 2/28/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/28/2000 / 2/28/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/28/2000 / 2/28/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000951**
DATE REPORTED: 07-Jan-01
DATE RECEIVED: 27-Dec-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/28/2000 / 2/28/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/28/2000 / 2/28/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/28/2000 / 2/28/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/28/2000 / 2/28/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/28/2000 / 2/28/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/28/2000 / 2/28/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/28/2000 / 2/28/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/28/2000 / 2/28/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/28/2000 / 2/28/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/28/2000 / 2/28/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/28/2000 / 2/28/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/28/2000 / 2/28/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/28/2000 / 2/28/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/28/2000 / 2/28/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/28/2000 / 2/28/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/28/2000 / 2/28/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/28/2000 / 2/28/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/28/2000 / 2/28/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/28/2000 / 2/28/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/28/2000 / 2/28/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/28/2000 / 2/28/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/28/2000 / 2/28/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/28/2000 / 2/28/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000951**
DATE REPORTED:	07-Jan-01
DATE RECEIVED:	27-Dec-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

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

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

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