October 15, 2000

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

Re: Monthly Monitoring Report for the Oconomowoc Groundwater Treatment Facility

Dear Mr. Kozol:

Attached is the Monthly Monitoring Report for September, 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

October 15, 2000

1.0 Introduction

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

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

1.1 Site Background Review

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

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

1.2 Project Objectives

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

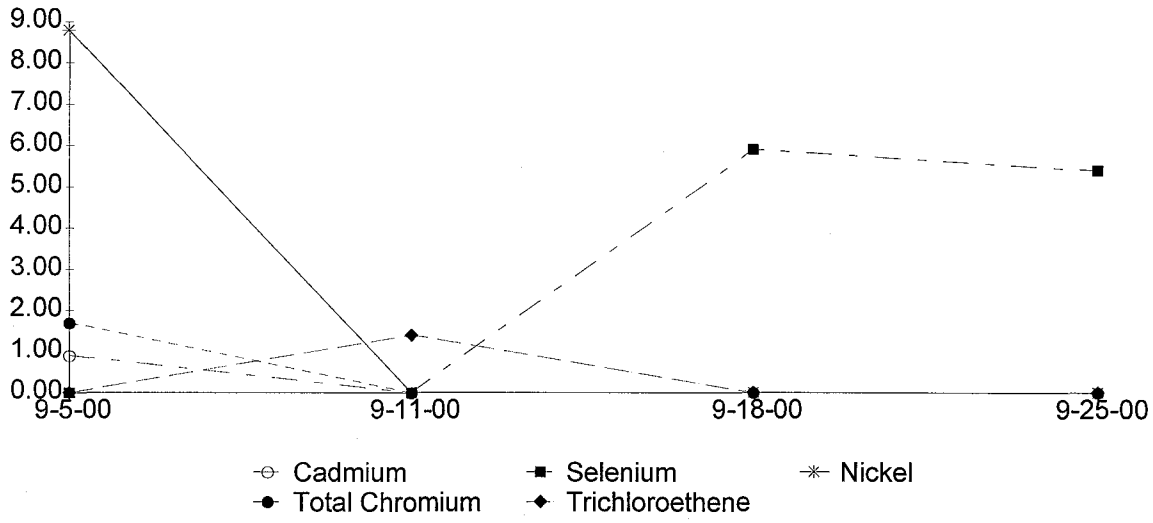
1.3 Effluent Monitoring

Weekly monitoring was conducted on September 5, 11, 18, and 25. The weekly samples for September were tested by APL, Inc. The monthly samples that were taken on September 5, were split-sampled and 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 September showed an exceedence of TCE and Cadmium of the WDNR effluent discharge permit.

1.4 Monitoring Results

Results from weekly effluent monitoring can be found in the *Discharge Monitoring Report Form*, sent under a separate cover. Chart 1, below, shows the results of effluent monitoring for five important indicator parameters listed in the Monitoring Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96).*

Chart 1 - 5 Important Indicator Parameters



1.5 Extraction Well Monitoring

Another round of Extraction Well sampling was conducted on September 5. The Extraction Well sampling is conducted on a quarterly basis. The results of the Extraction Wells' analyses are enclosed with this report.

1.6 Monitoring Well Sampling

Another round of Monitoring Well sampling was conducted on September 6 and 7. 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 Cadmium from the September 5 split-sampling. The September 5 results of the split-sampling of Cadmium for APL, Inc. was "Less Than the Level of Detection" and for En Chem, Inc. was 0.9 ug/l. The permit limit for Cadmium is 0.5 ug/l. Mr. Kozol allowed the plant to continue to operate based on differences in lab techniques. There was no Cadmium detected on the September 11 sampling.

Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Trichloroethylene from the September 11 sampling. The results of the September 11 sampling of Trichloroethylene was 1.4 ug/l and the permit limit for Trichloroethylene is 0.5 ug/l. The sample was retested and the result for Trichloroethylene was "Less Than the Level of Detection."

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down two times for a total of 4.5 hours in September, 2000. The shut downs were due to clean RMT-301 and FT-311 and to install a new Air Line Dryer. Table 1 shows the summary of the plant down times for the month of September, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
9-13-00	1	Shut Down to Clean RMT-301 & FT-311
9-20-00	3.5	Shut Down to Install an Air Line Dryer
TOTAL	**4.5**	

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

On September 13, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-120). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer were cleaned in RMT-301 and the walls, mixer, and floor were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-120 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 1 hour. APL Inc., WDNR, and USACE were notified.

3.2 Shut Down to Install an Air Line Dryer

On September 20,the treatment plant was shut down to remove the old Air Line Dryer and install a new Air Line Dryer at 8:05 A.M. The old Air Line Dryer was removed, an Air Line Dryer By-pass Line was installed, a Coalescing Filter was installed, an Air Line Pressure Gauge was installed, and a Moisture Trap By-Pass Line was installed. The treatment plant was restarted at about 11:30 A.M. Total down time was 3.5 hours. APL Inc., WDNR, and USACE were notified.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 4 times during the month of September 2000. It was filled and emptied on September 1, 11, 12, and 14. The dewatered sludge hopper removal date is November 8. The dewatered sludge is sampled 1 time during the 90 day period after the first opening of the press into the new hopper. We have 90 days after the first opening of the press and dumping into the new hopper to have it removed from the site. The sludge was sampled on August 11, 2000.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on September 5, 11, 18, and 25 of 2000. Another round of Extraction and Monitoring Wells' sampling was conducted in September 2000. Split-sampling and analysis was conducted on the September 5 samples. The USACE exercised their option to split-sample the effluent for their QA analysis by an outside laboratory. This is incorporated on a quarterly basis. The laboratory results of these samples showed that Trichloroethylene and Cadmium exceeded the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit. See Chart 1, Section 1.4 for *Important Indicator Parameters*. The Filer Press was filled and emptied 4 times in September 2000.

During the month of September, 2000, the plant was shut down two times for a total of 4.5 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 October 15, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	9-5-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11.2	N/A	N/A	7.7	Monitor	
TSS	2	NT	NT	NT	<1/6	Monitor	mg/l
Arsenic	<5.6	<5.6	<5.6	NT	<5.6/<3.6	5	
Barium	86	14	11	NT	8/9.8	400	
Cadmium	<0.4	<0.4	<0.4	NT	<0.4/0.9	0.5	*
Cadmium Total Recoverable	<0.4	<0.4	<0.4	NT	<0.4/0.96	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2/<6.7	Monitor	
Chromium Total	<8	<8	<8	NT	<8/1.7	10	
Copper	12	<6	12	NT	<6/<3.3	Monitor	
Iron	833	142	1010	NT	129/17	Monitor	
Lead	<1.5	<1.5	<1.5	NT	<1.5/<1.5	1.5	
Manganese	127	6	14	NT	<6/1.3	Monitor	
Mercury	0.2	<0.2	<0.2	NT	<0.2/<0.021	0.2	
Nickel	16	<11	<11	NT	<11/8.8	20	
Selenium	4.98	<4.8	<4.8	NT	<4.8/<3.4	10	
Silver	6	<4	7	NT	<4/<0.72	10	
Thallium	<1.7	<1.7	<1.7	NT	<1.7/<2.7	0.4	
Zinc	20	34	66	NT	19/<6.4	Monitor	
Cyanide	15	<6/<6	NT	NT	<6/<2.8	40	
Cyanide Amenable	<6	<6/<6	NT	NT	<6/<6.2	Monitor	
1,1-Dichloroethane	28	NT	<0.32	<0.32	<0.32/<0.61	85	
1,2-Dichloroethane	<3.5	NT	<0.35	<0.35	<0.35/<0.54	0.5	
1,1-Dichloroethene	15	NT	<0.34	<0.34	<0.34/<0.47	0.7	
1,2-Dichloroethene Cis	45	NT	<0.27	<0.27	<0.27/<0.46	7	
1,2-Dichloroethene Trans	18	NT	<0.25	<0.25	<0.25/<0.64	20	
Ethylbenzene	<2.5	NT	<0.25	<0.25	<0.25/<0.5	140	
Methylene Chloride	<3	NT	<0.3	<0.3	<0.3/<0.38	0.5	
Tetrachloroethene	6	NT	<0.31	<0.31	<0.31/<0.41	0.5	
Toluene	<2.9	NT	<0.29	<0.29	<0.29/<0.4	68	
1,1,1-Trichloroethane	190	NT	<0.31	<0.31	<0.31/<0.53	40	
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44/<0.47	0.5	
TCE	534	NT	<0.34	<0.34	<0.34/<0.49	0.5	
Vinyl Chloride	<2	NT	<0.2	<0.2	<0.2/<0.17	0.2	
Xylene Total	<5.3	NT	<0.53	<0.53	<0.53/<1.2	124	
COD	16	NT	NT	NT	9.7/24	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1/<0.31	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.1/1.3	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	<0.1/0.052	Monitor	mg/l

Quarterly and Monthly Sampling.
Second Reading Is From the USACE QA Sampling Comparison on Effluent with En Chem, Inc.
* Paul Kozol, WDNR, Allowed the Treatment Plant to Continue Operations Based on Differences of Lab Techniques.
There was no Cadmium Detected on the September 11 Sampling.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	9-11-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.5	N/A	N/A	7.9	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	74	NT	NT	NT	10	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	663	NT	NT	NT	<81	Monitor	
Lead	7.8	NT	NT	NT	<1.5	1.5	
Manganese	105	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	25	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.7	NT	NT	NT	<1.7	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	12	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	26	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<3.5	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	15	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	41	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	18	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<2.5	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<3	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	4.8	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	177	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5	
TCE	549	NT	<0.34	<0.34	1.4/<0.34	0.5	*
Vinyl Chloride	<2	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<5.3	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

REQUESTED A RETEST TO VERIFY THE RESULT.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	9-18-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.2	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	91	NT	NT	NT	11	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	6	Monitor	
Iron	738	NT	NT	NT	<49	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	132	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	23	NT	NT	NT	<11	20	
Selenium	6.33	NT	NT	NT	5.872	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.7	NT	NT	NT	<1.7	0.4	
Zinc	33	NT	NT	NT	21	Monitor	
Cyanide	18	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	23	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<3.5	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	11	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	39	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	14	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<2.5	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<3	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	5.7	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	143	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5	
TCE	465	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<2	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<5.3	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	9-25-00	
Parameter	Influent	After FT-311	After Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.3	N/A	N/A	7.5	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	116	NT	NT	NT	11	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	18	NT	NT	NT	17	Monitor	
Iron	1110	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	155	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	5.413	10	
Silver	4	NT	NT	NT	<4	10	
Thallium	<1.7	NT	NT	NT	<1.7	0.4	
Zinc	<14	NT	NT	NT	14	Monitor	
Cyanide	16	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	<3.5	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	14	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	44	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	13	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<2.5	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<3	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	4.2	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	195	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5	
TCE	585	NT	0.53	<0.34	<0.34	0.5	
Vinyl Chloride	1.1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<5.3	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

EXTRACTION WELLS					Date:	(ug/l) 9/5/00
Parameter	EW-1	EW-2	EW-3	EW-4	EW-5	WW-1
pH	7.4	7.2	7.2	7.2	7.4	7.5
Arsenic	<5.6	<5.6	5.702	<5.6	6.324	<5.6
Barium	65	76	113	101	103	364
Cadmium	0.565	<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	10	12	<8	<8	<8	<8
Copper	14	49	18	14	9	2030
Iron	2190	3410	4460	1410	1920	9250
Lead	4.476	22.4	4.033	7.135	21.1	92.4
Manganese	248	111	86	216	71	29
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	39	28	10	61	<11	<11
Selenium	4.91	<4.8	10.148	<4.8	13.254	<4.8
Silver	<4	25	<4	<4	15	<4
Thallium	<1.7	5.534	<1.7	<1.7	3.597	<1.7
Zinc	37	170	77	28	30	59
Cyanide	8	7	7	16	23	<6
Cyanide Amenable	<6	<6	<6	<6	<6	<6
1,1-Dichloroethane	<0.32	2.2	16	39	84	<0.32
1,2-Dichloroethane	<0.35	<0.35	<0.7	<12	<5.8	<0.35
1,1-Dichloroethene	<0.34	<0.34	4.7	66	14	<0.34
1,2-Dichloroethene Cis	0.94	12	31	100	87	<0..27
1,2-Dichloroethene Tran	<0.25	4.8	2.1	86	9.2	<0.25
Ethylbenzene	<0.25	<0.25	<0.5	<8.3	<4.2	<0.25
Methylene Chloride	<0.3	<0.3	<0.6	<10	<5	<0.3
Tetrachloroethene	<0.31	<0.31	<0.62	26	<5.2	<0.31
Toluene	<0.29	<0.29	<0.58	<9.7	<4.8	<0.29
1,1,1-Trichloroethane	<0.31	0.46	9.3	747	229	<0.31
1,1,2-Trichloroethane	<0.44	<0.44	<0.88	<15	<7.3	<0.44
TCE	6.7	17	156	1640	991	<0.34
Vinyl Chloride	<0.2	<0.2	0.62	<6.7	<3.3	<0.2
Xylene Total	<0.53	<0.53	<1.1	<18	<8.8	<0.53

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) Sept. 2000	
Parameter	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP	
pH	7.13	DRY	6.63	6.32	DRY	COVERED	
Conductivity	1255	NT	1665	944	NT	NT	uMHOS/CM
Arsenic	<5.6	NT	NT	<5.6	NT	NT	
Barium	89	NT	NT	96	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	<8	NT	NT	
Copper	15	NT	NT	15	NT	NT	
Iron	1310	NT	NT	2390	NT	NT	
Lead	<1.5	NT	NT	1.595	NT	NT	
Manganese	42	NT	NT	91	NT	NT	
Mercury	<0.2	NT	NT	<0.2	NT	NT	
Nickel	<11	NT	NT	<11	NT	NT	
Selenium	<4.8	NT	NT	<4.8	NT	NT	
Silver	<4	NT	NT	<4	NT	NT	
Thallium	5.534	NT	NT	4.427	NT	NT	
Zinc	21	NT	NT	28	NT	NT	
Cyanide	<6	NT	NT	<6	NT	NT	
Cyanide Free	<6	NT	NT	<6	NT	NT	
1,1-Dichloroethane	<0.32	NT	NT	36	NT	NT	
1,2-Dichloroethane	<0.35	NT	NT	<3.5	NT	NT	
1,1-Dichloroethene	<0.34	NT	NT	36	NT	NT	
1,2-Dichloroethene Cis	1.1	NT	NT	82	NT	NT	
1,2-Dichloroethene Trans	<0.25	NT	NT	6.9	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	0.35	NT	NT	615	NT	NT	
Vinyl Chloride	<0.2	NT	NT	2.1	NT	NT	
Xylene Total	<0.53	NT	NT	<5.3	NT	NT	
Temperature (C)	18.7	NT	18.7	16.2	NT	NT	

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) Sept. 2000	
Parameter	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP	
pH	7.45	7.35	7.52	6.97	6.73	8.92	
Conductivity	1123	1301	884	780	1029	2017	uMHOS/CM
Arsenic	<5.6	<5.6	<5.6	9.435	11.923	6.324	
Barium	344	93	49	40	121	25	
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	18	<4.2	31	<4.2	<4.2	10	
Chromium Total	91	10	52	<8	<8	8	
Copper	8	25	13	32	15	<6	
Iron	33500	1610	2460	<81	145	9320	
Lead	7.135	<1.5	1.817	<1.5	<1.5	<1.5	
Manganese	1050	44	137	68	270	210	
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Nickel	249	43	14	<11	<11	23	
Selenium	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	
Silver	<4	<4	<4	<4	<4	<4	
Thallium	<1.7	4.704	<1.7	3.32	<1.7	2.49	
Zinc	30	127	51	42	26	44	
Cyanide	<6	10	<6	<6	<6	<6	
Cyanide Free	<6	<6	<6	<6	<6	<6	
1,1-Dichloroethane	<0.32	168	<0.32	<0.32	<0.32	<1.3	
1,2-Dichloroethane	<0.35	2.4	<0.35	<0.35	<0.35	<1.4	
1,1-Dichloroethene	<0.34	68	<0.34	<0.34	<0.34	<1.4	
1,2-Dichloroethene Cis	<0.27	41	<0.27	<0.27	3.7	159	
1,2-Dichloroethene Trans	<0.25	14	<0.25	<0.25	0.49	2.2	
Ethylbenzene	<0.25	<0.83	<0.25	<0.25	<0.25	<1	
Methylene Chloride	<0.3	<1	<0.3	<0.3	<0.3	<1.2	
Tetrachloroethene	<0.31	<1	<0.31	<0.31	<0.31	<1.2	
Toluene	<0.29	<0.97	<0.29	<0.29	<0.29	<1.2	
1,1,1-Trichloroethane	<0.31	194	<0.31	<0.31	<0.31	<1.2	
1,1,2-Trichloroethane	<0.44	<1.5	<0.44	<0.44	<0.44	<1.8	
TCE	<0.34	36	<0.34	<0.34	33	<1.4	
Vinyl Chloride	<0.2	1.9	<0.2	<0.2	<0.2	178	
Xylene Total	<0.53	<1.8	<0.53	<0.53	<0.53	<2.1	
Temperature (C)	16.9	14.7	15.7	17.9	15.3	17.1	

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

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

FLOW FROM EXTRACTION WELLS

YEAR: 2000

MONTH: Sept. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	1,198,090.00	23,173.00	0.023	
2	1,221,263.00	14,368.00	0.014	
3	1,235,631.00	30,270.00	0.030	SHUT DOWN
4	1,265,901.00	36,242.00	0.036	
5	1,302,143.00	32,082.00	0.032	
6	1,334,225.00	30,830.00	0.031	
7	1,365,055.00	30,497.00	0.030	
8	1,395,552.00	21,038.00	0.021	
9	1,416,590.00	38,693.00	0.039	
10	1,455,283.00	33,134.00	0.033	
11	1,488,417.00	31,229.00	0.031	
12	1,519,646.00	30,600.00	0.031	
13	1,550,246.00	30,845.00	0.031	
14	1,581,091.00	31,182.00	0.031	
15	1,612,273.00	27,646.00	0.028	
16	1,639,919.00	29,375.00	0.029	
17	1,669,294.00	34,129.00	0.034	
18	1,703,423.00	29,940.00	0.030	
19	1,733,363.00	26,560.00	0.027	
20	1,759,923.00	19,937.00	0.020	SHUT DOWN
21	1,779,860.00	30,062.00	0.030	SHUT DOWN
22	1,809,922.00	19,336.00	0.019	
23	1,829,258.00	35,596.00	0.036	
24	1,864,854.00	33,229.00	0.033	
25	1,898,083.00	29,862.00	0.030	
26	1,927,945.00	29,157.00	0.029	
27	1,957,102.00	28,670.00	0.029	
28	1,985,772.00	27,808.00	0.028	
29	2,013,580.00	24,474.00	0.024	
30	2,038,054.00	28,922.00	0.029	
October 01	2,066,976.00			
		TOTAL	0.868	
		AVERAGE	0.029	

FLOW FROM EQT-100

YEAR: 2000				
MONTH: Sept. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	6,268,127.00	42,768.00	0.043	
2	6,310,895.00	37,127.00	0.037	
3	6,348,022.00	39,331.00	0.039	
4	6,387,353.00	51,356.00	0.051	
5	6,438,709.00	45,349.00	0.045	
6	6,484,058.00	40,154.00	0.040	
7	6,524,212.00	38,339.00	0.038	
8	6,562,551.00	27,409.00	0.027	
9	6,589,960.00	51,235.00	0.051	
10	6,641,195.00	46,120.00	0.046	
11	6,687,315.00	45,245.00	0.045	
12	6,732,560.00	41,474.00	0.041	
13	6,774,034.00	42,673.00	0.043	SHUT DOWN
14	6,816,707.00	40,645.00	0.041	
15	6,857,352.00	35,024.00	0.035	
16	6,892,376.00	37,909.00	0.038	
17	6,930,285.00	45,525.00	0.046	
18	6,975,810.00	40,566.00	0.041	
19	7,016,376.00	36,022.00	0.036	
20	7,052,398.00	43,593.00	0.044	SHUT DOWN
21	7,095,991.00	40,865.00	0.041	
22	7,136,856.00	24,291.00	0.024	
23	7,161,147.00	44,877.00	0.045	
24	7,206,024.00	43,534.00	0.044	
25	7,249,558.00	41,186.00	0.041	
26	7,290,744.00	41,557.00	0.042	
27	7,332,301.00	40,382.00	0.040	
28	7,372,683.00	35,986.00	0.036	
29	7,408,669.00	31,856.00	0.032	
30	7,440,525.00	38,031.00	0.038	
October 01	7,478,556.00			
		TOTAL	1.210	
		AVERAGE	0.040	

EFFLUENT FLOW FROM PLANT

YEAR: 2000

MONTH: Sept. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	5,814,714.00	11,097.00	22,194.00	0.022	
2	5,825,811.00	7,019.00	14,038.00	0.014	
3	5,832,830.00	17,740.00	35,480.00	0.035	
4	5,850,570.00	17,722.00	35,444.00	0.035	
5	5,868,292.00	18,052.00	36,104.00	0.036	
6	5,886,344.00	15,008.00	30,016.00	0.030	
7	5,901,352.00	13,770.00	27,540.00	0.028	
8	5,915,122.00	12,270.00	24,540.00	0.025	
9	5,927,392.00	19,670.00	39,340.00	0.039	
10	5,947,062.00	16,852.00	33,704.00	0.034	
11	5,963,914.00	18,201.00	36,402.00	0.036	
12	5,982,115.00	16,694.00	33,388.00	0.033	
13	5,998,809.00	15,665.00	31,330.00	0.031	SHUT DOWN
14	6,014,474.00	15,333.00	30,666.00	0.031	
15	6,029,807.00	14,747.00	29,494.00	0.029	
16	6,044,554.00	14,413.00	28,826.00	0.029	
17	6,058,967.00	16,315.00	32,630.00	0.033	
18	6,075,282.00	15,401.00	30,802.00	0.031	
19	6,090,683.00	13,677.00	27,354.00	0.027	
20	6,104,360.00	12,409.00	24,818.00	0.025	SHUT DOWN
21	6,116,769.00	15,952.00	31,904.00	0.032	
22	6,132,721.00	9,970.00	19,940.00	0.020	
23	6,142,691.00	16,223.00	32,446.00	0.032	
24	6,158,914.00	16,429.00	32,858.00	0.033	
25	6,175,343.00	15,573.00	31,146.00	0.031	
26	6,190,916.00	15,658.00	31,316.00	0.031	
27	6,206,574.00	16,425.00	32,850.00	0.033	
28	6,222,999.00	12,640.00	25,280.00	0.025	
29	6,235,639.00	14,415.00	28,830.00	0.029	
30	6,250,054.00	13,614.00	27,228.00	0.027	
October 01	6,263,668.00				
			TOTAL	0.896	
			AVERAGE	0.030	

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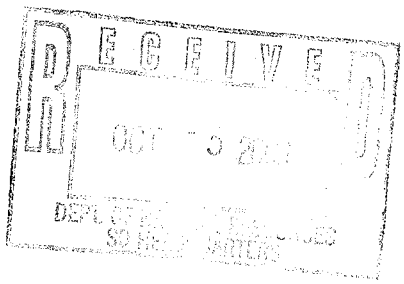
- Analytical Report -

Project Name : OGTP
Project Number : 1616.03

Client : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/00
WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
903208-001	000905 WAO9PC	9/5/00			
903208-002	000905 WAO9RC	9/5/00			
903208-003	TRIP BLANK	9/5/00			
903208-004	000905 WAO9PC	9/6/00			



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

9/21/00
Date

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- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 000905 WAO9PC
Lab Sample Number : 903208-001
Lab Project Number : 903208

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/00
Collection Date : 9/5/00
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Cyanide, free	< 0.0062	0.0062	0.020		mg/L		9/13/00	SM 4500CN	SM 4500CN
Cyanide, total	< 0.0028	0.0028	0.0089		mg/L		9/13/00	EPA 335.4	EPA 335.4

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- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 000905 WAO9RC
Lab Sample Number : 903208-002
Lab Project Number : 903208

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/00
Collection Date : 9/5/00
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	< 3.6	3.6	11		ug/L		9/14/00	SW846 3010A	SW846 6010B
Barium	9.8	0.083	0.26		ug/L		9/14/00	SW846 3010A	SW846 6010B
Cadmium	0.90	0.37	1.2		ug/L	Q	9/14/00	SW846 3010A	SW846 6010B
Cadmium - Recoverable	0.96	0.26	0.83		ug/L		9/14/00	SW846 3005A	SW846 6010B
Chromium	1.7	0.89	2.8		ug/L	Q	9/14/00	SW846 3010A	SW846 6010B
Copper	< 3.3	3.3	11		ug/L		9/14/00	SW846 3010A	SW846 6010B
Iron	17	16	51		ug/L	QA(20)	9/14/00	SW846 3010A	SW846 6010B
Lead	< 1.5	1.5	4.8		ug/L		9/14/00	SW846 3010A	SW846 6010B
Manganese	1.3	0.71	2.3		ug/L	Q	9/14/00	SW846 3010A	SW846 6010B
Mercury	< 0.021	0.021	0.067		ug/L		9/12/00	SW846 7470A	SW846 7470A
Nickel	8.8	2.6	8.3		ug/L		9/14/00	SW846 3010A	SW846 6010B
Selenium	< 3.4	3.4	11		ug/L		9/14/00	SW846 3010A	SW846 6010B
Silver	< 0.72	0.72	2.3		ug/L		9/14/00	SW846 3005A	SW846 6010B
Thallium	< 2.7	2.7	8.6		ug/L		9/14/00	SW846 3010A	SW846 6010B
Zinc	< 6.4	6.4	20		ug/L		9/14/00	SW846 3010A	SW846 6010B
COD	24	2.8	8.9		mg/L		9/18/00	EPA 410.4	EPA 410.4
Nitrogen, ammonia	0.052	0.045	0.14		mg/L	QA(0.092)	9/18/00	EPA 350.1	EPA 350.1
Nitrogen, NO3 + NO2	1.3	0.037	0.12		mg/L		9/12/00	EPA 353.2	EPA 353.2
Phosphorus, total	< 0.31	0.31	0.99		mg/L		9/15/00	EPA 364.4	EPA 365.1 (T
Solids, total suspended	6.0	4.0	13		mg/L	Q	9/12/00	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 000905 WAO9PC
Lab Sample Number : 903208-004
Lab Project Number : 903208

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/00
Collection Date : 9/6/00
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		9/6/00	SW846 7196A	SW846 7196A

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- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : 000905 WAO9PC
Lab Sample Number : 903208-001
Lab Project Number : 903208

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/00
Collection Date : 9/5/00
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		9/7/00	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		9/7/00	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		9/7/00	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		9/7/00	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		9/7/00	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		9/7/00	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		9/7/00	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		9/7/00	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		9/7/00	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		9/7/00	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		9/7/00	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		9/7/00	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		9/7/00	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		9/7/00	SW846 8260B
4-Bromofluorobenzene	102				%Recov		9/7/00	SW846 8260B
Dibromofluoromethane	88				%Recov		9/7/00	SW846 8260B
Toluene-d8	103				%Recov		9/7/00	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.

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- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : TRIP BLANK
Lab Sample Number : 903208-003
Lab Project Number : 903208

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/00
Collection Date : 9/5/00
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		9/7/00	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		9/7/00	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		9/7/00	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		9/7/00	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		9/7/00	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		9/7/00	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		9/7/00	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		9/7/00	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		9/7/00	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		9/7/00	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		9/7/00	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		9/7/00	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		9/7/00	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		9/7/00	SW846 8260B
4-Bromofluorobenzene	102				%Recov		9/7/00	SW846 8260B
Dibromofluoromethane	88				%Recov		9/7/00	SW846 8260B
Toluene-d8	102				%Recov		9/7/00	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.

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Inorganic Data Qualifier Sheet

A	Analyte is detected in the method blank. 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	Analyte is detected in the method blank at "x" concentration. 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.
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. 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.
N	Spiked sample recovery not within control limits; post-digestion spike recovery accepted.

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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 subcontracted to an approved lab.
UN	Unable to preserve sample due to matrix.
X	See sample narrative.
*	Duplicate analyses not within control limits.

APL INC.
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ORGANIC REPORT

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

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: **21051**		QC Prep Batch Number:		995112		*Sample analyzed within*		*1 Day(s) from collection.*		
Client ID: **000905WAEW-1** Sample Description:						*Collection: 9/5/2000*		*Time: 10:05*		
1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/6/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	9/6/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/6/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/6/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	9/6/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/6/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/6/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/6/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/6/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	9/6/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/6/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	9/6/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/6/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1	0.5	1		8260	cps	9/6/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/6/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	125	1		8260	cps	9/6/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/6/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	15	1		8260	cps	9/6/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1	0.02	1		8260	cps	9/6/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/6/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	9/6/2000
2-Chloroethyl Vinyl Ether	<0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/6/2000
2-Chlorotoluene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/6/2000
4-Methyl-2-Pentanone	<0.8	ug/l	0.8	2.5	50	1		8260	cps	9/6/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	9/6/2000
Benzene	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/6/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/6/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/6/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/6/2000
Bromoform	<0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/6/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1	1		8260	cps	9/6/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/6/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	20	1		8260	cps	9/6/2000
Chloroethane	<0.64	ug/l	0.64	2	80	1		8260	cps	9/6/2000
Chloroform	<0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/6/2000
Chloromethane	<0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/6/2000
cis-1,2-Dichloroethene	0.94	ug/l	0.27	0.86	7	1		8260	cps	9/6/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/6/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	9/6/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/6/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	9/6/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	9/6/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/6/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	9/6/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	9/6/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	9/6/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/6/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/6/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/6/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	9/6/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	9/6/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/6/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/6/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	9/6/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/6/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/6/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	9/6/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/6/2000
Trichloroethene	6.7	ug/l	0.34	1.1	0.5	1		8260	cps	9/6/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/6/2000
Vinyl chloride	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/6/2000

Sample Number: **21052** QC Prep Batch Number: 995112 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000905WAEW-2** Sample Description: *Collection: 9/5/2000 Time: 09:55*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/6/2000
1,1,1-Trichloroethane	0.46	ug/l	0.31	0.99	40	1	J	8260	cps	9/6/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/6/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/6/2000
1,1-Dichloroethane	2.2	ug/l	0.32	1	85	1		8260	cps	9/6/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/6/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/6/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/6/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/6/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	9/6/2000
1,2,4-Trimethylbenzene	0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/6/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	9/6/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	<0.32	ug/l	0.32	1	0.5	1		8260	cps	9/6/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/6/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	125	1		8260	cps	9/6/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/6/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	15	1		8260	cps	9/6/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1	0.02	1		8260	cps	9/6/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/6/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	9/6/2000
2-Chloroethyl Vinyl Ether	<0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/6/2000
2-Chlorotoluene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/6/2000
4-Methyl-2-Pentanone	<0.8	ug/l	0.8	2.5	50	1		8260	cps	9/6/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	9/6/2000
Benzene	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/6/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/6/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/6/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/6/2000
Bromoform	<0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/6/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1	1		8260	cps	9/6/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/6/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	20	1		8260	cps	9/6/2000
Chloroethane	<0.64	ug/l	0.64	2	80	1		8260	cps	9/6/2000
Chloroform	0.4	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/6/2000
Chloromethane	<0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/6/2000
cis-1,2-Dichloroethene	12	ug/l	0.27	0.86	7	1		8260	cps	9/6/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/6/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	9/6/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/6/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	9/6/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	9/6/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/6/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	9/6/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	9/6/2000
Methyl-t-butyl ether	0.45	ug/l	0.39	1.2	12	1	J	8260	cps	9/6/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/6/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/6/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/6/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	9/6/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	9/6/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/6/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/6/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	9/6/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/6/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/6/2000
trans-1,2-Dichloroethene	4.8	ug/l	0.25	0.8	20	1		8260	cps	9/6/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/6/2000
Trichloroethene	17	ug/l	0.34	1.1	0.5	1		8260	cps	9/6/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/6/2000
Vinyl chloride	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/6/2000

Sample Number: **21053** QC Prep Batch Number: 995112 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000905WAEW-3** Sample Description: *Collection: 9/5/2000 Time: 09:10*

1,1,1,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	ns	2		8260	cps	9/6/2000
1,1,1-Trichloroethane	9.3	ug/l	0.62	2	40	2		8260	cps	9/6/2000
1,1,2,2-Tetrachloroethane	<0.88	ug/l	0.88	2.8	0.02	2		8260	cps	9/6/2000
1,1,2-Trichloroethane	<0.88	ug/l	0.88	2.8	0.5	2		8260	cps	9/6/2000
1,1-Dichloroethane	16	ug/l	0.64	2	85	2		8260	cps	9/6/2000
1,1-Dichloroethene	4.7	ug/l	0.68	2.2	0.7	2		8260	cps	9/6/2000
1,1-Dichloropropene	<0.86	ug/l	0.86	2.7	ns	2		8260	cps	9/6/2000
1,2,3-Trichlorobenzene	<1	ug/l	1	3.2	ns	2		8260	cps	9/6/2000
1,2,3-Trichloropropane	<1	ug/l	1	3.2	ns	2		8260	cps	9/6/2000
1,2,4-Trichlorobenzene	<0.94	ug/l	0.94	3	14	2		8260	cps	9/6/2000
1,2,4-Trimethylbenzene	<0.6	ug/l	0.6	1.9	ns	2		8260	cps	9/6/2000
1,2-Dibromoethane	<0.92	ug/l	0.92	2.9	0.005	2		8260	cps	9/6/2000
1,2-Dichlorobenzene	<0.68	ug/l	0.68	2.2	60	2		8260	cps	9/6/2000
1,2-Dichloroethane	<0.7	ug/l	0.7	2.2	0.5	2		8260	cps	9/6/2000
1,2-Dichloropropane	<0.64	ug/l	0.64	2	0.5	2		8260	cps	9/6/2000
1,3,5-Trimethylbenzene	<0.68	ug/l	0.68	2.2	ns	2		8260	cps	9/6/2000
1,3-Dichlorobenzene	<0.52	ug/l	0.52	1.7	125	2		8260	cps	9/6/2000
1,3-Dichloropropane	<0.78	ug/l	0.78	2.5	ns	2		8260	cps	9/6/2000
1,4-Dichlorobenzene	<0.72	ug/l	0.72	2.3	15	2		8260	cps	9/6/2000
12Dibromo-3-chloropropan	<0.66	ug/l	0.66	2.1	0.02	2		8260	cps	9/6/2000
2,2-Dichloropropane	<0.54	ug/l	0.54	1.7	ns	2		8260	cps	9/6/2000
2-Butanone (MEK)	<2.8	ug/l	2.8	8.8	90	2		8260	cps	9/6/2000
2-Chloroethyl Vinyl Ether	<1.4	ug/l	1.4	4.5	ns	2		8260	cps	9/6/2000
2-Chlorotoluene	<0.6	ug/l	0.6	1.9	ns	2		8260	cps	9/6/2000
4-Chlorotoluene	<0.52	ug/l	0.52	1.7	ns	2		8260	cps	9/6/2000
4-Methyl-2-Pentanone	<1.6	ug/l	1.6	5.1	50	2		8260	cps	9/6/2000
Acetone	<3.1	ug/l	3.1	9.9	200	2		8260	cps	9/6/2000
Benzene	<0.54	ug/l	0.54	1.7	0.5	2		8260	cps	9/6/2000
Bromobenzene	<0.62	ug/l	0.62	2	ns	2		8260	cps	9/6/2000
Bromochloromethane	<0.74	ug/l	0.74	2.4	ns	2		8260	cps	9/6/2000
Bromodichloromethane	<0.76	ug/l	0.76	2.4	0.06	2		8260	cps	9/6/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	<0.78	ug/l	0.78	2.5	0.44	2		8260	cps	9/6/2000
Bromomethane	<1.3	ug/l	1.3	4.1	1	2		8260	cps	9/6/2000
Carbon tetrachloride	<0.54	ug/l	0.54	1.7	0.5	2		8260	cps	9/6/2000
Chlorobenzene	<0.52	ug/l	0.52	1.7	20	2		8260	cps	9/6/2000
Chloroethane	<1.3	ug/l	1.3	4.1	80	2		8260	cps	9/6/2000
Chloroform	<0.48	ug/l	0.48	1.5	0.6	2		8260	cps	9/6/2000
Chloromethane	<0.98	ug/l	0.98	3.1	0.3	2		8260	cps	9/6/2000
cis-1,2-Dichloroethene	31	ug/l	0.54	1.7	7	2		8260	cps	9/6/2000
cis-1,3-Dichloropropene	<0.74	ug/l	0.74	2.4	0.02	2		8260	cps	9/6/2000
Dibromochloromethane	<0.82	ug/l	0.82	2.6	6	2		8260	cps	9/6/2000
Dibromomethane	<0.92	ug/l	0.92	2.9	ns	2		8260	cps	9/6/2000
Dichlorodifluoromethane	<0.54	ug/l	0.54	1.7	200	2		8260	cps	9/6/2000
Ethylbenzene	<0.5	ug/l	0.5	1.6	140	2		8260	cps	9/6/2000
Hexachlorobutadiene	<0.84	ug/l	0.84	2.7	ns	2		8260	cps	9/6/2000
Isopropyl Ether	<0.6	ug/l	0.6	1.9	ns	2		8260	cps	9/6/2000
Isopropylbenzene	<0.66	ug/l	0.66	2.1	ns	2		8260	cps	9/6/2000
m&p-xylene	<1.1	ug/l	1.1	3.4	124	2		8260	cps	9/6/2000
Methyl-t-butyl ether	<0.78	ug/l	0.78	2.5	12	2		8260	cps	9/6/2000
Methylene chloride	<0.6	ug/l	0.6	1.9	0.5	2		8260	cps	9/6/2000
n-Butylbenzene	<0.72	ug/l	0.72	2.3	ns	2		8260	cps	9/6/2000
n-Propylbenzene	<0.56	ug/l	0.56	1.8	ns	2		8260	cps	9/6/2000
Naphthalene	<1.5	ug/l	1.5	4.8	8	2		8260	cps	9/6/2000
o-xylene	<0.5	ug/l	0.5	1.6	124	2		8260	cps	9/6/2000
p-Isopropyltoluene	<0.62	ug/l	0.62	2	ns	2		8260	cps	9/6/2000
sec-Butylbenzene	<0.68	ug/l	0.68	2.2	ns	2		8260	cps	9/6/2000
Styrene	<0.5	ug/l	0.5	1.6	10	2		8260	cps	9/6/2000
tert-Butylbenzene	<0.6	ug/l	0.6	1.9	ns	2		8260	cps	9/6/2000
Tetrachloroethene	<0.62	ug/l	0.62	2	0.5	2		8260	cps	9/6/2000
Toluene	<0.58	ug/l	0.58	1.8	68.6	2		8260	cps	9/6/2000
trans-1,2-Dichloroethene	2.1	ug/l	0.5	1.6	20	2		8260	cps	9/6/2000
trans-1,3-Dichloropropene	<0.52	ug/l	0.52	1.7	0.02	2		8260	cps	9/6/2000
Trichloroethene	156	ug/l	0.68	2.2	0.5	2		8260	cps	9/6/2000
Trichlorofluoromethane	<0.48	ug/l	0.48	1.5	ns	2		8260	cps	9/6/2000
Vinyl chloride	0.62	ug/l	0.4	1.3	0.02	2	J	8260	cps	9/6/2000

Sample Number: **21054** QC Prep Batch Number: 995112 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000905WAEW-4** Sample Description: *Collection: 9/5/2000 Time: 09:25*

1,1,1,2-Tetrachloroethane	<7.3	ug/l	7.3	23	ns	33.33		8260	cps	9/6/2000
1,1,1-Trichloroethane	747	ug/l	10	33	40	33.33		8260	cps	9/6/2000
1,1,2,2-Tetrachloroethane	<15	ug/l	15	47	0.02	33.33		8260	cps	9/6/2000
1,1,2-Trichloroethane	<15	ug/l	15	47	0.5	33.33		8260	cps	9/6/2000
1,1-Dichloroethane	39	ug/l	11	34	85	33.33		8260	cps	9/6/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	66	ug/l	11	36	0.7	33.33		8260	cps	9/6/2000
1,1-Dichloropropene	< 14	ug/l	14	46	ns	33.33		8260	cps	9/6/2000
1,2,3-Trichlorobenzene	< 17	ug/l	17	53	ns	33.33		8260	cps	9/6/2000
1,2,3-Trichloropropane	< 17	ug/l	17	54	ns	33.33		8260	cps	9/6/2000
1,2,4-Trichlorobenzene	< 16	ug/l	16	50	14	33.33		8260	cps	9/6/2000
1,2,4-Trimethylbenzene	< 10	ug/l	10	32	ns	33.33		8260	cps	9/6/2000
1,2-Dibromoethane	< 15	ug/l	15	49	0.005	33.33		8260	cps	9/6/2000
1,2-Dichlorobenzene	< 11	ug/l	11	36	60	33.33		8260	cps	9/6/2000
1,2-Dichloroethane	< 12	ug/l	12	37	0.5	33.33		8260	cps	9/6/2000
1,2-Dichloropropane	< 11	ug/l	11	34	0.5	33.33		8260	cps	9/6/2000
1,3,5-Trimethylbenzene	< 11	ug/l	11	36	ns	33.33		8260	cps	9/6/2000
1,3-Dichlorobenzene	< 8.7	ug/l	8.7	28	125	33.33		8260	cps	9/6/2000
1,3-Dichloropropane	< 13	ug/l	13	41	ns	33.33		8260	cps	9/6/2000
1,4-Dichlorobenzene	< 12	ug/l	12	38	15	33.33		8260	cps	9/6/2000
12Dibromo-3-chloropropan	< 11	ug/l	11	35	0.02	33.33		8260	cps	9/6/2000
2,2-Dichloropropane	< 9	ug/l	9	29	ns	33.33		8260	cps	9/6/2000
2-Butanone (MEK)	< 46	ug/l	46	146	90	33.33		8260	cps	9/6/2000
2-Chloroethyl Vinyl Ether	< 23	ug/l	23	74	ns	33.33		8260	cps	9/6/2000
2-Chlorotoluene	< 10	ug/l	10	32	ns	33.33		8260	cps	9/6/2000
4-Chlorotoluene	< 8.7	ug/l	8.7	28	ns	33.33		8260	cps	9/6/2000
4-Methyl-2-Pentanone	< 27	ug/l	27	85	50	33.33		8260	cps	9/6/2000
Acetone	< 52	ug/l	52	164	200	33.33		8260	cps	9/6/2000
Benzene	< 9	ug/l	9	29	0.5	33.33		8260	cps	9/6/2000
Bromobenzene	< 10	ug/l	10	33	ns	33.33		8260	cps	9/6/2000
Bromochloromethane	< 12	ug/l	12	39	ns	33.33		8260	cps	9/6/2000
Bromodichloromethane	< 13	ug/l	13	40	0.06	33.33		8260	cps	9/6/2000
Bromoform	< 13	ug/l	13	41	0.44	33.33		8260	cps	9/6/2000
Bromomethane	< 22	ug/l	22	69	1	33.33		8260	cps	9/6/2000
Carbon tetrachloride	< 9	ug/l	9	29	0.5	33.33		8260	cps	9/6/2000
Chlorobenzene	< 8.7	ug/l	8.7	28	20	33.33		8260	cps	9/6/2000
Chloroethane	< 21	ug/l	21	68	80	33.33		8260	cps	9/6/2000
Chloroform	< 8	ug/l	8	25	0.6	33.33		8260	cps	9/6/2000
Chloromethane	< 16	ug/l	16	52	0.3	33.33		8260	cps	9/6/2000
cis-1,2-Dichloroethene	100	ug/l	9	29	7	33.33		8260	cps	9/6/2000
cis-1,3-Dichloropropene	< 12	ug/l	12	39	0.02	33.33		8260	cps	9/6/2000
Dibromochloromethane	< 14	ug/l	14	43	6	33.33		8260	cps	9/6/2000
Dibromomethane	< 15	ug/l	15	49	ns	33.33		8260	cps	9/6/2000
Dichlorodifluoromethane	< 9	ug/l	9	29	200	33.33		8260	cps	9/6/2000
Ethylbenzene	< 8.3	ug/l	8.3	27	140	33.33		8260	cps	9/6/2000
Hexachlorobutadiene	< 14	ug/l	14	45	ns	33.33		8260	cps	9/6/2000
Isopropyl Ether	< 10	ug/l	10	32	ns	33.33		8260	cps	9/6/2000
Isopropylbenzene	< 11	ug/l	11	35	ns	33.33		8260	cps	9/6/2000
m&p-xylene	< 18	ug/l	18	56	124	33.33		8260	cps	9/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 13	ug/l	13	41	12	33.33		8260	cps	9/6/2000
Methylene chloride	< 10	ug/l	10	32	0.5	33.33		8260	cps	9/6/2000
n-Butylbenzene	< 12	ug/l	12	38	ns	33.33		8260	cps	9/6/2000
n-Propylbenzene	< 9.3	ug/l	9.3	30	ns	33.33		8260	cps	9/6/2000
Naphthalene	< 25	ug/l	25	80	8	33.33		8260	cps	9/6/2000
o-xylene	< 8.3	ug/l	8.3	27	124	33.33		8260	cps	9/6/2000
p-Isopropyltoluene	< 10	ug/l	10	33	ns	33.33		8260	cps	9/6/2000
sec-Butylbenzene	< 11	ug/l	11	36	ns	33.33		8260	cps	9/6/2000
Styrene	< 8.3	ug/l	8.3	27	10	33.33		8260	cps	9/6/2000
tert-Butylbenzene	< 10	ug/l	10	32	ns	33.33		8260	cps	9/6/2000
Tetrachloroethene	26	ug/l	10	33	0.5	33.33	J	8260	cps	9/6/2000
Toluene	< 9.7	ug/l	9.7	31	68.6	33.33		8260	cps	9/6/2000
trans-1,2-Dichloroethene	86	ug/l	8.3	27	20	33.33		8260	cps	9/6/2000
trans-1,3-Dichloropropene	< 8.7	ug/l	8.7	28	0.02	33.33		8260	cps	9/6/2000
Trichloroethene	1640	ug/l	11	36	0.5	33.33		8260	cps	9/6/2000
Trichlorofluoromethane	< 8	ug/l	8	25	ns	33.33		8260	cps	9/6/2000
Vinyl chloride	< 6.7	ug/l	6.7	21	0.02	33.33		8260	cps	9/6/2000

Sample Number: **21055** QC Prep Batch Number: 995112 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000905WAEW-5** Sample Description: *Collection: 9/5/2000 Time: 09:05*

1,1,1,2-Tetrachloroethane	< 3.7	ug/l	3.7	12	ns	16.67		8260	cps	9/6/2000
1,1,1-Trichloroethane	229	ug/l	5.2	16	40	16.67		8260	cps	9/6/2000
1,1,2,2-Tetrachloroethane	< 7.3	ug/l	7.3	23	0.02	16.67		8260	cps	9/6/2000
1,1,2-Trichloroethane	< 7.3	ug/l	7.3	23	0.5	16.67		8260	cps	9/6/2000
1,1-Dichloroethane	84	ug/l	5.3	17	85	16.67		8260	cps	9/6/2000
1,1-Dichloroethene	14	ug/l	5.7	18	0.7	16.67	J	8260	cps	9/6/2000
1,1-Dichloropropene	< 7.2	ug/l	7.2	23	ns	16.67		8260	cps	9/6/2000
1,2,3-Trichlorobenzene	< 8.3	ug/l	8.3	27	ns	16.67		8260	cps	9/6/2000
1,2,3-Trichloropropane	< 8.5	ug/l	8.5	27	ns	16.67		8260	cps	9/6/2000
1,2,4-Trichlorobenzene	< 7.8	ug/l	7.8	25	14	16.67		8260	cps	9/6/2000
1,2,4-Trimethylbenzene	< 5	ug/l	5	16	ns	16.67		8260	cps	9/6/2000
1,2-Dibromoethane	< 7.7	ug/l	7.7	24	0.005	16.67		8260	cps	9/6/2000
1,2-Dichlorobenzene	< 5.7	ug/l	5.7	18	60	16.67		8260	cps	9/6/2000
1,2-Dichloroethane	< 5.8	ug/l	5.8	19	0.5	16.67		8260	cps	9/6/2000
1,2-Dichloropropane	< 5.3	ug/l	5.3	17	0.5	16.67		8260	cps	9/6/2000
1,3,5-Trimethylbenzene	< 5.7	ug/l	5.7	18	ns	16.67		8260	cps	9/6/2000
1,3-Dichlorobenzene	< 4.3	ug/l	4.3	14	125	16.67		8260	cps	9/6/2000
1,3-Dichloropropane	< 6.5	ug/l	6.5	21	ns	16.67		8260	cps	9/6/2000
1,4-Dichlorobenzene	< 6	ug/l	6	19	15	16.67		8260	cps	9/6/2000
12Dibromo-3-chloropropan	< 5.5	ug/l	5.5	18	0.02	16.67		8260	cps	9/6/2000
2,2-Dichloropropane	< 4.5	ug/l	4.5	14	ns	16.67		8260	cps	9/6/2000
2-Butanone (MEK)	< 23	ug/l	23	73	90	16.67		8260	cps	9/6/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 12	ug/l	12	37	ns	16.67		8260	cps	9/6/2000
2-Chlorotoluene	< 5	ug/l	5	16	ns	16.67		8260	cps	9/6/2000
4-Chlorotoluene	< 4.3	ug/l	4.3	14	ns	16.67		8260	cps	9/6/2000
4-Methyl-2-Pentanone	< 13	ug/l	13	42	50	16.67		8260	cps	9/6/2000
Acetone	< 26	ug/l	26	82	200	16.67		8260	cps	9/6/2000
Benzene	< 4.5	ug/l	4.5	14	0.5	16.67		8260	cps	9/6/2000
Bromobenzene	< 5.2	ug/l	5.2	16	ns	16.67		8260	cps	9/6/2000
Bromochloromethane	< 6.2	ug/l	6.2	20	ns	16.67		8260	cps	9/6/2000
Bromodichloromethane	< 6.3	ug/l	6.3	20	0.06	16.67		8260	cps	9/6/2000
Bromoform	< 6.5	ug/l	6.5	21	0.44	16.67		8260	cps	9/6/2000
Bromomethane	< 11	ug/l	11	34	1	16.67		8260	cps	9/6/2000
Carbon tetrachloride	< 4.5	ug/l	4.5	14	0.5	16.67		8260	cps	9/6/2000
Chlorobenzene	7	ug/l	4.3	14	20	16.67	J	8260	cps	9/6/2000
Chloroethane	< 11	ug/l	11	34	80	16.67		8260	cps	9/6/2000
Chloroform	< 4	ug/l	4	13	0.6	16.67		8260	cps	9/6/2000
Chloromethane	< 8.2	ug/l	8.2	26	0.3	16.67		8260	cps	9/6/2000
cis-1,2-Dichloroethene	87	ug/l	4.5	14	7	16.67		8260	cps	9/6/2000
cis-1,3-Dichloropropene	< 6.2	ug/l	6.2	20	0.02	16.67		8260	cps	9/6/2000
Dibromochloromethane	< 6.8	ug/l	6.8	22	6	16.67		8260	cps	9/6/2000
Dibromomethane	< 7.7	ug/l	7.7	24	ns	16.67		8260	cps	9/6/2000
Dichlorodifluoromethane	< 4.5	ug/l	4.5	14	200	16.67		8260	cps	9/6/2000
Ethylbenzene	< 4.2	ug/l	4.2	13	140	16.67		8260	cps	9/6/2000
Hexachlorobutadiene	< 7	ug/l	7	22	ns	16.67		8260	cps	9/6/2000
Isopropyl Ether	< 5	ug/l	5	16	ns	16.67		8260	cps	9/6/2000
Isopropylbenzene	< 5.5	ug/l	5.5	18	ns	16.67		8260	cps	9/6/2000
m&p-xylene	< 8.8	ug/l	8.8	28	124	16.67		8260	cps	9/6/2000
Methyl-t-butyl ether	< 6.5	ug/l	6.5	21	12	16.67		8260	cps	9/6/2000
Methylene chloride	< 5	ug/l	5	16	0.5	16.67		8260	cps	9/6/2000
n-Butylbenzene	< 6	ug/l	6	19	ns	16.67		8260	cps	9/6/2000
n-Propylbenzene	< 4.7	ug/l	4.7	15	ns	16.67		8260	cps	9/6/2000
Naphthalene	< 13	ug/l	13	40	8	16.67		8260	cps	9/6/2000
o-xylene	< 4.2	ug/l	4.2	13	124	16.67		8260	cps	9/6/2000
p-Isopropyltoluene	< 5.2	ug/l	5.2	16	ns	16.67		8260	cps	9/6/2000
sec-Butylbenzene	< 5.7	ug/l	5.7	18	ns	16.67		8260	cps	9/6/2000
Styrene	< 4.2	ug/l	4.2	13	10	16.67		8260	cps	9/6/2000
tert-Butylbenzene	< 5	ug/l	5	16	ns	16.67		8260	cps	9/6/2000
Tetrachloroethene	< 5.2	ug/l	5.2	16	0.5	16.67		8260	cps	9/6/2000
Toluene	< 4.8	ug/l	4.8	15	68.6	16.67		8260	cps	9/6/2000
trans-1,2-Dichloroethene	9.2	ug/l	4.2	13	20	16.67	J	8260	cps	9/6/2000
trans-1,3-Dichloropropene	< 4.3	ug/l	4.3	14	0.02	16.67		8260	cps	9/6/2000
Trichloroethene	991	ug/l	5.7	18	0.5	16.67		8260	cps	9/6/2000
Trichlorofluoromethane	< 4	ug/l	4	13	ns	16.67		8260	cps	9/6/2000
Vinyl chloride	< 3.3	ug/l	3.3	11	0.02	16.67		8260	cps	9/6/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-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: **21056** QC Prep Batch Number: 995112 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000905WAWW**- Sample Description: *Collection: 9/5/2000 Time: 08:55*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/6/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	9/6/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/6/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/6/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	9/6/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/6/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/6/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/6/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/6/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	9/6/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/6/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	9/6/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/6/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1	0.5	1		8260	cps	9/6/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/6/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	125	1		8260	cps	9/6/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/6/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	15	1		8260	cps	9/6/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1	0.02	1		8260	cps	9/6/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/6/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	9/6/2000
2-Chloroethyl Vinyl Ether	<0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/6/2000
2-Chlorotoluene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/6/2000
4-Methyl-2-Pentanone	<0.8	ug/l	0.8	2.5	50	1		8260	cps	9/6/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	9/6/2000
Benzene	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/6/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/6/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/6/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/6/2000
Bromoform	<0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/6/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1	1		8260	cps	9/6/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/6/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	20	1		8260	cps	9/6/2000
Chloroethane	<0.64	ug/l	0.64	2	80	1		8260	cps	9/6/2000
Chloroform	<0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/6/2000
Chloromethane	<0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/6/2000
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	7	1		8260	cps	9/6/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/6/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	9/6/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/6/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	9/6/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	9/6/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/6/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	9/6/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	9/6/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	9/6/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/6/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/6/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/6/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	9/6/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	9/6/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/6/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/6/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	9/6/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/6/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/6/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/6/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	9/6/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/6/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/6/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/6/2000
Vinyl chloride	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/6/2000

Sample Number: **21057** QC Prep Batch Number: 995107 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000905WAO1P** Sample Description: *Collection: 9/5/2000 Time: 08:30*

1,1,1,2-Tetrachloroethane	<2.2	ug/l	2.2	7	ns	10		8260	cps	9/5/2000
1,1,1-Trichloroethane	190	ug/l	3.1	9.9	40	10		8260	cps	9/5/2000
1,1,2,2-Tetrachloroethane	<4.4	ug/l	4.4	14	0.02	10		8260	cps	9/5/2000
1,1,2-Trichloroethane	<4.4	ug/l	4.4	14	0.5	10		8260	cps	9/5/2000
1,1-Dichloroethane	28	ug/l	3.2	10	85	10		8260	cps	9/5/2000
1,1-Dichloroethene	15	ug/l	3.4	11	0.7	10		8260	cps	9/5/2000
1,1-Dichloropropene	<4.3	ug/l	4.3	14	ns	10		8260	cps	9/5/2000
1,2,3-Trichlorobenzene	<5	ug/l	5	16	ns	10		8260	cps	9/5/2000
1,2,3-Trichloropropane	<5.1	ug/l	5.1	16	ns	10		8260	cps	9/5/2000
1,2,4-Trichlorobenzene	4.7	ug/l	4.7	15	14	10		8260	cps	9/5/2000
1,2,4-Trimethylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	9/5/2000
1,2-Dibromoethane	<4.6	ug/l	4.6	15	0.005	10		8260	cps	9/5/2000
1,2-Dichlorobenzene	<3.4	ug/l	3.4	11	60	10		8260	cps	9/5/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloroethane	<3.5	ug/l	3.5	11	0.5	10		8260	cps	9/5/2000
1,2-Dichloropropane	<3.2	ug/l	3.2	10	0.5	10		8260	cps	9/5/2000
1,3,5-Trimethylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	9/5/2000
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8.3	125	10		8260	cps	9/5/2000
1,3-Dichloropropane	<3.9	ug/l	3.9	12	ns	10		8260	cps	9/5/2000
1,4-Dichlorobenzene	<3.6	ug/l	3.6	11	15	10		8260	cps	9/5/2000
12Dibromo-3-chloropropan	<3.3	ug/l	3.3	10	0.02	10		8260	cps	9/5/2000
2,2-Dichloropropane	<2.7	ug/l	2.7	8.6	ns	10		8260	cps	9/5/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	9/5/2000
2-Chloroethyl Vinyl Ether	<7	ug/l	7	22	ns	10		8260	cps	9/5/2000
2-Chlorotoluene	<3	ug/l	3	9.5	ns	10		8260	cps	9/5/2000
4-Chlorotoluene	<2.6	ug/l	2.6	8.3	ns	10		8260	cps	9/5/2000
4-Methyl-2-Pentanone	<8	ug/l	8	25	50	10		8260	cps	9/5/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	9/5/2000
Benzene	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	9/5/2000
Bromobenzene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	9/5/2000
Bromochloromethane	<3.7	ug/l	3.7	12	ns	10		8260	cps	9/5/2000
Bromodichloromethane	<3.8	ug/l	3.8	12	0.06	10		8260	cps	9/5/2000
Bromoform	<3.9	ug/l	3.9	12	0.44	10		8260	cps	9/5/2000
Bromomethane	<6.5	ug/l	6.5	21	1	10		8260	cps	9/5/2000
Carbon tetrachloride	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	9/5/2000
Chlorobenzene	<2.6	ug/l	2.6	8.3	20	10		8260	cps	9/5/2000
Chloroethane	<6.4	ug/l	6.4	20	80	10		8260	cps	9/5/2000
Chloroform	<2.4	ug/l	2.4	7.6	0.6	10		8260	cps	9/5/2000
Chloromethane	<4.9	ug/l	4.9	16	0.3	10		8260	cps	9/5/2000
cis-1,2-Dichloroethene	45	ug/l	2.7	8.6	7	10		8260	cps	9/5/2000
cis-1,3-Dichloropropene	<3.7	ug/l	3.7	12	0.02	10		8260	cps	9/5/2000
Dibromochloromethane	<4.1	ug/l	4.1	13	6	10		8260	cps	9/5/2000
Dibromomethane	<4.6	ug/l	4.6	15	ns	10		8260	cps	9/5/2000
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	200	10		8260	cps	9/5/2000
Ethylbenzene	<2.5	ug/l	2.5	8	140	10		8260	cps	9/5/2000
Hexachlorobutadiene	<4.2	ug/l	4.2	13	ns	10		8260	cps	9/5/2000
Isopropyl Ether	<3	ug/l	3	9.5	ns	10		8260	cps	9/5/2000
Isopropylbenzene	<3.3	ug/l	3.3	10	ns	10		8260	cps	9/5/2000
m&p-xylene	<5.3	ug/l	5.3	17	124	10		8260	cps	9/5/2000
Methyl-t-butyl ether	<3.9	ug/l	3.9	12	12	10		8260	cps	9/5/2000
Methylene chloride	<3	ug/l	3	9.5	0.5	10		8260	cps	9/5/2000
n-Butylbenzene	<3.6	ug/l	3.6	11	ns	10		8260	cps	9/5/2000
n-Propylbenzene	<2.8	ug/l	2.8	8.9	ns	10		8260	cps	9/5/2000
Naphthalene	<7.5	ug/l	7.5	24	8	10		8260	cps	9/5/2000
o-xylene	<2.5	ug/l	2.5	8	124	10		8260	cps	9/5/2000
p-Isopropyltoluene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	9/5/2000
sec-Butylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	9/5/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Styrene	<2.5	ug/l	2.5	8	10	10		8260	cps	9/5/2000
tert-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	9/5/2000
Tetrachloroethene	6	ug/l	3.1	9.9	0.5	10	J	8260	cps	9/5/2000
Toluene	<2.9	ug/l	2.9	9.2	68.6	10		8260	cps	9/5/2000
trans-1,2-Dichloroethene	18	ug/l	2.5	8	20	10		8260	cps	9/5/2000
trans-1,3-Dichloropropene	<2.6	ug/l	2.6	8.3	0.02	10		8260	cps	9/5/2000
Trichloroethene	534	ug/l	3.4	11	0.5	10		8260	cps	9/5/2000
Trichlorofluoromethane	<2.4	ug/l	2.4	7.6	ns	10		8260	cps	9/5/2000
Vinyl chloride	<2	ug/l	2	6.4	0.02	10		8260	cps	9/5/2000

Sample Number: **21060** QC Prep Batch Number: 995107 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000905WAO7P** Sample Description: *Collection: 9/5/2000 Time: 08:38*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/5/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	9/5/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/5/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/5/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	9/5/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/5/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/5/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/5/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/5/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	9/5/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/5/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	9/5/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/5/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1	0.5	1		8260	cps	9/5/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/5/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	125	1		8260	cps	9/5/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/5/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	15	1		8260	cps	9/5/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1	0.02	1		8260	cps	9/5/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/5/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	9/5/2000
2-Chloroethyl Vinyl Ether	<0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/5/2000
2-Chlorotoluene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/5/2000
4-Methyl-2-Pentanone	<0.8	ug/l	0.8	2.5	50	1		8260	cps	9/5/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	9/5/2000
Benzene	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/5/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/5/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/5/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromodichloromethane	<0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/5/2000
Bromoform	<0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/5/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1	1		8260	cps	9/5/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/5/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	20	1		8260	cps	9/5/2000
Chloroethane	<0.64	ug/l	0.64	2	80	1		8260	cps	9/5/2000
Chloroform	<0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/5/2000
Chloromethane	<0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/5/2000
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	7	1		8260	cps	9/5/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/5/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	9/5/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/5/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	9/5/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	9/5/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/5/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	9/5/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	9/5/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	9/5/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/5/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/5/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/5/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	9/5/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	9/5/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/5/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/5/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	9/5/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/5/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/5/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	9/5/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/5/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/5/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/5/2000
Vinyl chloride	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/5/2000

Sample Number: **21063** QC Prep Batch Number: 995107 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000905WAO9P** Sample Description: *Collection: 9/5/2000 Time: 09:30*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1	8260	cps	9/5/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1	8260	cps	9/5/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1	8260	cps	9/5/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1	8260	cps	9/5/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	9/5/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/5/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/5/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/5/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/5/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	9/5/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/5/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	9/5/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/5/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1	0.5	1		8260	cps	9/5/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/5/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	125	1		8260	cps	9/5/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/5/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	15	1		8260	cps	9/5/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1	0.02	1		8260	cps	9/5/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/5/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	9/5/2000
2-Chloroethyl Vinyl Ether	<0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/5/2000
2-Chlorotoluene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/5/2000
4-Methyl-2-Pentanone	<0.8	ug/l	0.8	2.5	50	1		8260	cps	9/5/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	9/5/2000
Benzene	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/5/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/5/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/5/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/5/2000
Bromoform	<0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/5/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1	1		8260	cps	9/5/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/5/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	20	1		8260	cps	9/5/2000
Chloroethane	<0.64	ug/l	0.64	2	80	1		8260	cps	9/5/2000
Chloroform	0.47	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/5/2000
Chloromethane	<0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/5/2000
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	7	1		8260	cps	9/5/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/5/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	9/5/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/5/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	9/5/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	9/5/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/5/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	9/5/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	9/5/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	9/5/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/5/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/5/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/5/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	9/5/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	9/5/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/5/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/5/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	9/5/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/5/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/5/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	9/5/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/5/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/5/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/5/2000
Vinyl chloride	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/5/2000

Sample Number: **21065** QC Prep Batch Number: 995107 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000905WAO8P** Sample Description: *Collection: 9/5/2000 Time: 08:40*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/5/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	9/5/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/5/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/5/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	9/5/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/5/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/5/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/5/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/5/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	9/5/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/5/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	9/5/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/5/2000
1,2-Dichloropropane	<0.32	ug/l	0.32	1	0.5	1		8260	cps	9/5/2000
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/5/2000
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	125	1		8260	cps	9/5/2000
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/5/2000
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	15	1		8260	cps	9/5/2000
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1	0.02	1		8260	cps	9/5/2000
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/5/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	9/5/2000
2-Chloroethyl Vinyl Ether	<0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/5/2000
2-Chlorotoluene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/5/2000
4-Methyl-2-Pentanone	<0.8	ug/l	0.8	2.5	50	1		8260	cps	9/5/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	9/5/2000
Benzene	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/5/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/5/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/5/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/5/2000
Bromoform	<0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/5/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1	1		8260	cps	9/5/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/5/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	20	1		8260	cps	9/5/2000
Chloroethane	<0.64	ug/l	0.64	2	80	1		8260	cps	9/5/2000
Chloroform	0.42	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/5/2000
Chloromethane	<0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/5/2000
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	7	1		8260	cps	9/5/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/5/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	9/5/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/5/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	9/5/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	9/5/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/5/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	9/5/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	9/5/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	9/5/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/5/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/5/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/5/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	9/5/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	9/5/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/5/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/5/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	9/5/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/5/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/5/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	9/5/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/5/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/5/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/5/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Vinyl chloride	<0.2	**ug/l**	0.2	0.64	0.02	1		8260	cps	9/5/2000
Sample Number: **21066**			QC Prep Batch Number: 995107			*Sample analyzed within*		*0 Day(s) from collection.*		
Client ID: **Trip Blank**	Sample Description:					*Collection:*	*9/5/2000*	*Time*		
1,1,1,2-Tetrachloroethane	<0.22	**ug/l**	0.22	0.7	ns	1		8260	cps	9/5/2000
1,1,1-Trichloroethane	<0.31	**ug/l**	0.31	0.99	40	1		8260	cps	9/5/2000
1,1,2,2-Tetrachloroethane	<0.44	**ug/l**	0.44	1.4	0.02	1		8260	cps	9/5/2000
1,1,2-Trichloroethane	<0.44	**ug/l**	0.44	1.4	0.5	1		8260	cps	9/5/2000
1,1-Dichloroethane	<0.32	**ug/l**	0.32	1	85	1		8260	cps	9/5/2000
1,1-Dichloroethene	<0.34	**ug/l**	0.34	1.1	0.7	1		8260	cps	9/5/2000
1,1-Dichloropropene	<0.43	**ug/l**	0.43	1.4	ns	1		8260	cps	9/5/2000
1,2,3-Trichlorobenzene	<0.5	**ug/l**	0.5	1.6	ns	1		8260	cps	9/5/2000
1,2,3-Trichloropropane	<0.51	**ug/l**	0.51	1.6	ns	1		8260	cps	9/5/2000
1,2,4-Trichlorobenzene	<0.47	**ug/l**	0.47	1.5	14	1		8260	cps	9/5/2000
1,2,4-Trimethylbenzene	<0.3	**ug/l**	0.3	0.95	ns	1		8260	cps	9/5/2000
1,2-Dibromoethane	<0.46	**ug/l**	0.46	1.5	0.005	1		8260	cps	9/5/2000
1,2-Dichlorobenzene	<0.34	**ug/l**	0.34	1.1	60	1		8260	cps	9/5/2000
1,2-Dichloroethane	<0.35	**ug/l**	0.35	1.1	0.5	1		8260	cps	9/5/2000
1,2-Dichloropropane	<0.32	**ug/l**	0.32	1	0.5	1		8260	cps	9/5/2000
1,3,5-Trimethylbenzene	<0.34	**ug/l**	0.34	1.1	ns	1		8260	cps	9/5/2000
1,3-Dichlorobenzene	<0.26	**ug/l**	0.26	0.83	125	1		8260	cps	9/5/2000
1,3-Dichloropropane	<0.39	**ug/l**	0.39	1.2	ns	1		8260	cps	9/5/2000
1,4-Dichlorobenzene	<0.36	**ug/l**	0.36	1.1	15	1		8260	cps	9/5/2000
12Dibromo-3-chloropropan	<0.33	**ug/l**	0.33	1	0.02	1		8260	cps	9/5/2000
2,2-Dichloropropane	<0.27	**ug/l**	0.27	0.86	ns	1		8260	cps	9/5/2000
2-Butanone (MEK)	<1.4	**ug/l**	1.4	4.4	90	1		8260	cps	9/5/2000
2-Chloroethyl Vinyl Ether	<0.7	**ug/l**	0.7	2.2	ns	1		8260	cps	9/5/2000
2-Chlorotoluene	<0.3	**ug/l**	0.3	0.95	ns	1		8260	cps	9/5/2000
4-Chlorotoluene	<0.26	**ug/l**	0.26	0.83	ns	1		8260	cps	9/5/2000
4-Methyl-2-Pentanone	<0.8	**ug/l**	0.8	2.5	50	1		8260	cps	9/5/2000
Acetone	<1.6	**ug/l**	1.6	4.9	200	1		8260	cps	9/5/2000
Benzene	<0.27	**ug/l**	0.27	0.86	0.5	1		8260	cps	9/5/2000
Bromobenzene	<0.31	**ug/l**	0.31	0.99	ns	1		8260	cps	9/5/2000
Bromochloromethane	<0.37	**ug/l**	0.37	1.2	ns	1		8260	cps	9/5/2000
Bromodichloromethane	<0.38	**ug/l**	0.38	1.2	0.06	1		8260	cps	9/5/2000
Bromoform	<0.39	**ug/l**	0.39	1.2	0.44	1		8260	cps	9/5/2000
Bromomethane	<0.65	**ug/l**	0.65	2.1	1	1		8260	cps	9/5/2000
Carbon tetrachloride	<0.27	**ug/l**	0.27	0.86	0.5	1		8260	cps	9/5/2000
Chlorobenzene	<0.26	**ug/l**	0.26	0.83	20	1		8260	cps	9/5/2000
Chloroethane	<0.64	**ug/l**	0.64	2	80	1		8260	cps	9/5/2000
Chloroform	<0.24	**ug/l**	0.24	0.76	0.6	1		8260	cps	9/5/2000
Chloromethane	<0.49	**ug/l**	0.49	1.6	0.3	1		8260	cps	9/5/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000643**
DATE REPORTED: 07-Sep-00
DATE RECEIVED: 05-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	7	1		8260	cps	9/5/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/5/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	9/5/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/5/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	9/5/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	9/5/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/5/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	9/5/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	9/5/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	9/5/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/5/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/5/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/5/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	9/5/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	9/5/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/5/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/5/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	9/5/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/5/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/5/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/5/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	9/5/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/5/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/5/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/5/2000
Vinyl chloride	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/5/2000

Approved By: _____ **Date:** 9/7/00

James Chang, Ph.D. , Lab Director

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

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

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53224-9008
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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000643
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 05-Sep-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: 21051
Client ID: **000905WAEW-1**
Collection: 9/5/2000 Time: 10:05
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	tm	9/12/2000	995155	
Barium - ICAP	0.065	mg/l	RJ	0.007	0.02	200.7	tm	9/6/2000	995122	
Cadmium - Furnace AA	0.565	ug/l	J RJ	0.4	1.3	213.2	dmd	9/7/2000	995117	
Cadmium-Total Recoverable	<0.4	ug/l	J TR	0.4	1.3	7131	dmd	9/18/2000	995243	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	tm	9/6/2000	995122	
Copper- ICAP	0.014	mg/l	J RJ	0.006	0.02	200.7	tm	9/6/2000	995122	
Iron - ICAP	2.19	mg/l	RJ	0.081	0.26	200.7	tm	9/6/2000	995122	
Lead - Furnace AA	4.476	ug/l	J RJ	1.5	4.8	239.2	tm	9/8/2000	995139	
Manganese - ICAP	0.248	mg/l	RJ	0.006	0.02	200.7	tm	9/6/2000	995122	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	9/8/2000	995133	
Nickel - ICAP	0.039	mg/l	RJ	0.011	0.03	200.7	tm	9/6/2000	995122	
Selenium - Furnace AA	4.91	ug/l	J RJ	4.8	15	270.2	tm	9/8/2000	995144	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	9/6/2000	995122	
Thallium - Furnace AA	<1.7	ug/l	J RJ	1.7	5.4	279.2	tm	9/11/2000	995152	
Zinc - ICAP	0.037	mg/l	J RJ	0.014	0.04	200.7	tm	9/6/2000	995122	
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	9/6/2000	995194	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	9/18/2000	995193	
Cyanide, Total	0.008	mg/l	J	0.006	0.02	335.2	dmd	9/11/2000	995131	
pH (water)	7.4	s.u.	#			150.1	tn	9/6/2000	995104	

Nova Sample Number: 21052
Client ID: **000905WAEW-2**
Collection: 9/5/2000 Time: 09:55
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	tm	9/12/2000	995155	
Barium - ICAP	0.076	mg/l	RJ	0.007	0.02	200.7	tm	9/6/2000	995122	
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	dmd	9/7/2000	995117	
Chromium, Total - ICAP	0.012	mg/l	J RJ	0.008	0.03	200.7	tm	9/6/2000	995122	
Copper- ICAP	0.049	mg/l	RJ	0.006	0.02	200.7	tm	9/6/2000	995122	
Iron - ICAP	3.41	mg/l	RJ	0.081	0.26	200.7	tm	9/6/2000	995122	
Lead - Furnace AA	22.4	ug/l	RJ	1.5	4.8	239.2	tm	9/8/2000	995139	
Manganese - ICAP	0.111	mg/l	RJ	0.006	0.02	200.7	tm	9/6/2000	995122	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	9/8/2000	995133	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000643
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 05-Sep-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
Nickel - ICAP	**0.028**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/6/2000	*995122*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/8/2000	*995144*	
Silver - ICAP	**0.025**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	9/6/2000	*995122*	
Thallium - Furnace AA	**5.534**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.17**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	9/6/2000	*995122*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/6/2000	*995194*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**0.007**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/11/2000	*995131*	
pH (water)	**7.2**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	

Nova Sample Number: 21053
Client ID: **000905WAEW-3**
Collection: 9/5/2000 Time: 09:10
Sample Description:

Arsenic - Furnace AA	**5.702**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.113**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/6/2000	*995122*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	dmd	9/7/2000	*995117*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	9/6/2000	*995122*	
Copper- ICAP	**0.018**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Iron - ICAP	**4.46**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	9/6/2000	*995122*	
Lead - Furnace AA	**4.033**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	9/8/2000	*995139*	
Manganese - ICAP	**0.086**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Mercury CV	**<0.0002**	**mg/l**	*J* **RJ**	0.0002	0.0006	245.1	tm	9/8/2000	*995133*	
Nickel - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/6/2000	*995122*	
Selenium - Furnace AA	**10.148**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/8/2000	*995144*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/6/2000	*995122*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.077**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	9/6/2000	*995122*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/6/2000	*995194*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**0.007**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/11/2000	*995131*	
pH (water)	**7.2**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	

Nova Sample Number: 21054
Client ID: **000905WAEW-4**
Collection: 9/5/2000 Time: 09:25
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000643**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 05-Sep-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
Barium - ICAP	**0.101**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/6/2000	*995122*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	***J* TTR**	0.4	1.3	213.2	dmd	9/7/2000	*995117*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	9/6/2000	*995122*	
Copper- ICAP	**0.014**	**mg/l**	***J* RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Iron - ICAP	**1.41**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	9/6/2000	*995122*	
Lead - Furnace AA	**7.135**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	9/8/2000	*995139*	
Manganese - ICAP	**0.216**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Mercury CV	**<0.0002**	**mg/l**	***J* RJ**	0.0002	0.0006	245.1	tm	9/8/2000	*995133*	
Nickel - ICAP	**0.061**	**mg/l**	**RJ**	0.011	0.03	200.7	tm	9/6/2000	*995122*	
Selenium - Furnace AA	**<4.8**	**ug/l**	***J* RJ**	4.8	15	270.2	tm	9/8/2000	*995144*	
Silver - ICAP	**<0.004**	**mg/l**	***J* RJ**	0.004	0.01	200.7	tm	9/6/2000	*995122*	
Thallium - Furnace AA	**<1.7**	**ug/l**	***J* RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.028**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	9/6/2000	*995122*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	***J***	0.004	0.01	SM 3500D	12805	9/6/2000	*995194*	
Cyanide, Amenable	**<0.006**	**mg/l**	***J***	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**0.016**	**mg/l**		0.006	0.02	335.2	dmd	9/11/2000	*995131*	
pH (water)	**7.2**	**s.u.**	**#**			150.1	tn	9/6/2000	*995104*	

Nova Sample Number: 21055
Client ID: **000905WAEW-5**

Collection: 9/5/2000 Time: 09:05
Sample Description:

Arsenic - Furnace AA	**6.324**	**ug/l**	***J* RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.103**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/6/2000	*995122*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	***J* TTR**	0.4	1.3	213.2	dmd	9/7/2000	*995117*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	9/6/2000	*995122*	
Copper- ICAP	**0.009**	**mg/l**	***J* RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Iron - ICAP	**1.92**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	9/6/2000	*995122*	
Lead - Furnace AA	**21.1**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	9/8/2000	*995139*	
Manganese - ICAP	**0.071**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Mercury CV	**<0.0002**	**mg/l**	***J* RJ**	0.0002	0.0006	245.1	tm	9/8/2000	*995133*	
Nickel - ICAP	**<0.011**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	9/6/2000	*995122*	
Selenium - Furnace AA	**13.254**	**ug/l**	***J* RJ**	4.8	15	270.2	tm	9/8/2000	*995144*	
Silver - ICAP	**0.015**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	9/6/2000	*995122*	
Thallium - Furnace AA	**3.597**	**ug/l**	***J* RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	9/6/2000	*995122*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000643**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 05-Sep-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
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/6/2000	*995194*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**0.023**	**mg/l**		0.006	0.02	335.2	dmd	9/11/2000	*995131*	
pH (water)	**7.4**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	

Nova Sample Number: 21056
Client ID: **000905WAWW-1**
Collection: 9/5/2000 Time: 08:55
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.364**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/6/2000	*995122*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	dmd	9/7/2000	*995117*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	9/6/2000	*995122*	
Copper- ICAP	**2.03**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Iron - ICAP	**9.25**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	9/6/2000	*995122*	
Lead - Furnace AA	**92.4**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	9/8/2000	*995139*	
Manganese - ICAP	**0.029**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Mercury CV	**<0.0002**	**mg/l**	*J* **RJ**	0.0002	0.0006	245.1	tm	9/8/2000	*995133*	
Nickel - ICAP	**<0.011**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/6/2000	*995122*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/8/2000	*995144*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/6/2000	*995122*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.059**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	9/6/2000	*995122*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/6/2000	*995194*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/11/2000	*995131*	
pH (water)	**7.5**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	

Nova Sample Number: 21057
Client ID: **000905WAO1P**
Collection: 9/5/2000 Time: 08:30
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.086**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/6/2000	*995122*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	dmd	9/7/2000	*995117*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	9/6/2000	*995122*	
Copper- ICAP	**0.012**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Iron - ICAP	**0.833**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	9/6/2000	*995122*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000643**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 05-Sep-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
Lead - Furnace AA	**<1.5**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	9/8/2000	*995139*	
Manganese - ICAP	**0.127**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Mercury CV	**0.0002**	**mg/l**	*J* **RJ**	0.0002	0.0006	245.1	tm	9/8/2000	*995133*	
Nickel - ICAP	**0.016**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/6/2000	*995122*	
Selenium - Furnace AA	**4.98**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/8/2000	*995144*	
Silver - ICAP	**0.006**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/6/2000	*995122*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2		9/8/2000	*995152*	
Zinc - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	9/6/2000	*995122*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/6/2000	*995194*	
COD. Total	**16**	**mg/l**		3.8	12	410.4-CT	12805	9/11/2000	*995195*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/11/2000	*995130*	
Cyanide, Total	**0.015**	**mg/l**		0.006	0.02	335.2	dmd	9/11/2000	*995131*	
pH (water)	**7.4**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	
Solids, Total Suspended	**2.0**	**mg/l**	*J*	1	3.2	SM 2540D	tn	9/8/2000	*995120*	

Nova Sample Number: 21058
Client ID: **000905WAO9R**

Collection: 9/5/2000 Time: 09:35
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.008**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	tm	9/6/2000	*995122*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	dmd	9/7/2000	*995117*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	9/6/2000	*995122*	
Copper- ICAP	**<0.006**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Iron - ICAP	**0.129**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	tm	9/6/2000	*995122*	
Lead - Furnace AA	**<1.5**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	9/8/2000	*995139*	
Manganese - ICAP	**<0.006**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Mercury CV	**<0.0002**	**mg/l**	*J* **RJ**	0.0002	0.0006	245.1	tm	9/8/2000	*995133*	
Nickel - ICAP	**<0.011**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/6/2000	*995122*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/8/2000	*995144*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/6/2000	*995122*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2		9/8/2000	*995152*	
Zinc - ICAP	**0.019**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	9/6/2000	*995122*	
COD. Total	**9.7**	**mg/l**	*J*	3.4	11	410.4-CT	12805	9/11/2000	*995195*	
Nitrate + Nitrite Nitrogen	**1.1**	**mg/l**		0.03	0.10	353.3	12805	9/8/2000	*995196*	
Nitrogen, Ammonia	**<0.1**	**mg/l**	*J*	0.1	0.32	350.1	12805	9/8/2000	*995197*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000643**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 05-Sep-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
Phosphorus, Total	**<0.1**	**mg/l**	*J*	0.1	0.32	365.2	12805	9/14/2000	*995198*	
Solids, Total Suspended	**<1.0**	**mg/l**	*J*	1	3.2	SM 2540D	tn	9/8/2000	*995120*	

Nova Sample Number: 21059
Client ID: **000905WAO5P**
Collection: 9/5/2000 Time: 08:35
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* RJ	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.014**	**mg/l**	*J* RJ	0.007	0.02	200.7	tm	9/6/2000	*995122*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* TTR	0.4	1.3	213.2	dmd	9/7/2000	*995117*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* RJ	0.008	0.03	200.7	tm	9/6/2000	*995122*	
Copper- ICAP	**<0.006**	**mg/l**	*J* RJ	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Iron - ICAP	**0.142**	**mg/l**	*J* RJ	0.081	0.26	200.7	tm	9/6/2000	*995122*	
Lead - Furnace AA	**<1.5**	**ug/l**	*J* RJ	1.5	4.8	239.2	tm	9/8/2000	*995139*	
Manganese - ICAP	**0.006**	**mg/l**	*J* RJ	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Mercury CV	**<0.0002**	**mg/l**	*J* RJ	0.0002	0.0006	245.1	tm	9/8/2000	*995133*	
Nickel - ICAP	**<0.011**	**mg/l**	*J* RJ	0.011	0.03	200.7	tm	9/6/2000	*995122*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* RJ	4.8	15	270.2	tm	9/8/2000	*995144*	
Silver - ICAP	**<0.004**	**mg/l**	*J* RJ	0.004	0.01	200.7	tm	9/6/2000	*995122*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* RJ	1.7	5.4	279.2		9/8/2000	*995152*	
Zinc - ICAP	**0.034**	**mg/l**	*J* RJ	0.014	0.04	200.7	tm	9/6/2000	*995122*	
pH (water)	**7.2**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	

Nova Sample Number: 21060
Client ID: **000905WAO7P**
Collection: 9/5/2000 Time: 08:38
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* RJ	5.6	18	206.2	tm	9/8/2000	*995156*	*Preliminary Data*
Barium - ICAP	**0.011**	**mg/l**	*J* RJ	0.007	0.02	200.7	tm	9/6/2000	*995122*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* TTR	0.4	1.3	213.2	dmd	9/7/2000	*995117*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* RJ	0.008	0.03	200.7	tm	9/6/2000	*995122*	
Copper- ICAP	**0.012**	**mg/l**	*J* RJ	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Iron - ICAP	**1.01**	**mg/l**	RJ	0.081	0.26	200.7	tm	9/6/2000	*995122*	
Lead - Furnace AA	**<1.5**	**ug/l**	*J* RJ	1.5	4.8	239.2	tm	9/8/2000	*995139*	
Manganese - ICAP	**0.014**	**mg/l**	*J* RJ	0.006	0.02	200.7	tm	9/6/2000	*995122*	
Mercury CV	**<0.0002**	**mg/l**	*J* RJ	0.0002	0.0006	245.1	tm	9/8/2000	*995133*	
Nickel - ICAP	**<0.011**	**mg/l**	*J* RJ	0.011	0.03	200.7	tm	9/6/2000	*995122*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* RJ	4.8	15	270.2	tm	9/8/2000	*995144*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000643**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 05-Sep-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
Silver - ICAP	**0.007**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/6/2000	*995122*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2		9/8/2000	*995152*	
Zinc - ICAP	**0.066**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	9/6/2000	*995122*	

Nova Sample Number: 21061
Client ID: **000905WAO2P**
Collection: 9/5/2000 Time: 08:43
Sample Description:

Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/11/2000	*995131*	
pH (water)	**9.5**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	

Nova Sample Number: 21062
Client ID: **000905WAO2Q**
Collection: 9/5/2000 Time: 08:43
Sample Description:

Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/11/2000	*995131*	
pH (water)	**9.6**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	

Nova Sample Number: 21063
Client ID: **000905WAO9P**
Collection: 9/5/2000 Time: 09:30
Sample Description:

Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/6/2000	*995194*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/11/2000	*995130*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/11/2000	*995131*	
pH (water)	**7.7**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	

Nova Sample Number: 21064
Client ID: **000905WAO3P**
Collection: 9/5/2000 Time: 08:46
Sample Description:

pH (water)	**11.2**	**s.u.**	#			150.1	tn	9/6/2000	*995104*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000643**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 05-Sep-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:** 9/30/0

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
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

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

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ORGANIC REPORT

WDNR# 241340550

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

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

Sample Number: **21118** QC Prep Batch Number: 995121 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000906MW05D** Sample Description: *Collection: 9/6/2000 Time: 11:00*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	9/7/2000
1,1,1-Trichloroethane	< 3.1	ug/l	3.1	9.9	40	10		8260	cps	9/7/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	9/7/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	9/7/2000
1,1-Dichloroethane	36	ug/l	3.2	10	85	10		8260	cps	9/7/2000
1,1-Dichloroethene	4.8	ug/l	3.4	11	0.7	10	J	8260	cps	9/7/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	9/7/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	9/7/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	9/7/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	9/7/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	9/7/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	9/7/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	9/7/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	9/7/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	9/7/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	9/7/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	9/7/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	9/7/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	9/7/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	9/7/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	9/7/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	9/7/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	9/7/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	9/7/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	9/7/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	9/7/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	9/7/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	9/7/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	9/7/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	9/7/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	9/7/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	9/7/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	9/7/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	9/7/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	9/7/2000
Chloroethane	23	ug/l	6.4	20	80	10		8260	cps	9/7/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	9/7/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	9/7/2000
cis-1,2-Dichloroethene	82	ug/l	2.7	8.6	7	10		8260	cps	9/7/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<4.1	ug/l	4.1	13	6	10		8260	cps	9/7/2000
Dibromomethane	<4.6	ug/l	4.6	15	ns	10		8260	cps	9/7/2000
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	200	10		8260	cps	9/7/2000
Ethylbenzene	<2.5	ug/l	2.5	8	140	10		8260	cps	9/7/2000
Hexachlorobutadiene	<4.2	ug/l	4.2	13	ns	10		8260	cps	9/7/2000
Isopropyl Ether	<3	ug/l	3	9.5	ns	10		8260	cps	9/7/2000
Isopropylbenzene	<3.3	ug/l	3.3	10	ns	10		8260	cps	9/7/2000
m&p-xylene	<5.3	ug/l	5.3	17	124	10		8260	cps	9/7/2000
Methyl-t-butyl ether	<3.9	ug/l	3.9	12	12	10		8260	cps	9/7/2000
Methylene chloride	<3	ug/l	3	9.5	0.5	10		8260	cps	9/7/2000
n-Butylbenzene	<3.6	ug/l	3.6	11	ns	10		8260	cps	9/7/2000
n-Propylbenzene	<2.8	ug/l	2.8	8.9	ns	10		8260	cps	9/7/2000
Naphthalene	<7.5	ug/l	7.5	24	8	10		8260	cps	9/7/2000
o-xylene	<2.5	ug/l	2.5	8	124	10		8260	cps	9/7/2000
p-Isopropyltoluene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	9/7/2000
sec-Butylbenzene	<3.4	ug/l	3.4	11	ns	10		8260	cps	9/7/2000
Styrene	<2.5	ug/l	2.5	8	10	10		8260	cps	9/7/2000
tert-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	9/7/2000
Tetrachloroethene	<3.1	ug/l	3.1	9.9	0.5	10		8260	cps	9/7/2000
Toluene	<2.9	ug/l	2.9	9.2	68.6	10		8260	cps	9/7/2000
trans-1,2-Dichloroethene	6.9	ug/l	2.5	8	20	10	J	8260	cps	9/7/2000
trans-1,3-Dichloropropene	<2.6	ug/l	2.6	8.3	0.02	10		8260	cps	9/7/2000
Trichloroethene	615	ug/l	3.4	11	0.5	10		8260	cps	9/7/2000
Trichlorofluoromethane	<2.4	ug/l	2.4	7.6	ns	10		8260	cps	9/7/2000
Vinyl chloride	2.1	ug/l	2	6.4	0.02	10	J	8260	cps	9/7/2000

Sample Number: 21119 QC Prep Batch Number: 995121 *Sample analyzed within 1 Day(s) from collection.*
Client ID: 000906MW02D Sample Description: *Collection: 9/6/2000 Time: 11:20*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/7/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	9/7/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/7/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/7/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	9/7/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/7/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/7/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/7/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/7/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	9/7/2000
1,2,4-Trimethylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/7/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	9/7/2000
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/7/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/7/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/7/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/7/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/7/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/7/2000
cis-1,2-Dichloroethene	1.1	ug/l	0.27	0.86	7	1		8260	cps	9/7/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/7/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/7/2000
Methyl-t-butyl ether	0.81	ug/l	0.39	1.2	12	1	J	8260	cps	9/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/7/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/7/2000
Trichloroethene	0.35	ug/l	0.34	1.1	0.5	1	J	8260	cps	9/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/7/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/7/2000

Sample Number: **21120** QC Prep Batch Number: 995121 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000906MW13SP** Sample Description: *Collection: 9/6/2000 Time: 11:55*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/7/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/7/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/7/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/7/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/7/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/7/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/7/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/7/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/7/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/7/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/7/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/7/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/7/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/7/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/7/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/7/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/7/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/7/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/7/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/7/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/7/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/7/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/7/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/7/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/7/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/7/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/7/2000

Sample Number: **21121** QC Prep Batch Number: 995121 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000906MW12B** Sample Description: *Collection: 9/6/2000 Time: 13:25*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/7/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/7/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/7/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/7/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000651
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/7/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/7/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/7/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/7/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/7/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/7/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/7/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/7/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/7/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/7/2000
Acetone	1410	ug/l	1.6	4.9	200	1		8260	cps	9/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/7/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/7/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Chlorobenzene	0.66	ug/l	0.26	0.83	20	1	J	8260	cps	9/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/7/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/7/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/7/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/7/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/7/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/7/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/7/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/7/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/7/2000

Sample Number: **21122** QC Prep Batch Number: 995121 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000906MW12D** Sample Description: *Collection: 9/6/2000 Time: 13:15*

1,1,1,2-Tetrachloroethane	< 0.73	ug/l	0.73	2.3	ns	3.333		8260	cps	9/7/2000
1,1,1-Trichloroethane	194	ug/l	1	3.3	40	3.333		8260	cps	9/7/2000
1,1,2,2-Tetrachloroethane	< 1.5	ug/l	1.5	4.7	0.02	3.333		8260	cps	9/7/2000
1,1,2-Trichloroethane	< 1.5	ug/l	1.5	4.7	0.5	3.333		8260	cps	9/7/2000
1,1-Dichloroethane	168	ug/l	1.1	3.4	85	3.333		8260	cps	9/7/2000
1,1-Dichloroethene	68	ug/l	1.1	3.6	0.7	3.333		8260	cps	9/7/2000
1,1-Dichloropropene	< 1.4	ug/l	1.4	4.6	ns	3.333		8260	cps	9/7/2000
1,2,3-Trichlorobenzene	< 1.7	ug/l	1.7	5.3	ns	3.333		8260	cps	9/7/2000
1,2,3-Trichloropropane	< 1.7	ug/l	1.7	5.4	ns	3.333		8260	cps	9/7/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5	14	3.333		8260	cps	9/7/2000
1,2,4-Trimethylbenzene	< 1	ug/l	1	3.2	ns	3.333		8260	cps	9/7/2000
1,2-Dibromoethane	< 1.5	ug/l	1.5	4.9	0.005	3.333		8260	cps	9/7/2000
1,2-Dichlorobenzene	< 1.1	ug/l	1.1	3.6	60	3.333		8260	cps	9/7/2000
1,2-Dichloroethane	2.4	ug/l	1.2	3.7	0.5	3.333	J	8260	cps	9/7/2000
1,2-Dichloropropane	< 1.1	ug/l	1.1	3.4	0.5	3.333		8260	cps	9/7/2000
1,3,5-Trimethylbenzene	< 1.1	ug/l	1.1	3.6	ns	3.333		8260	cps	9/7/2000
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	125	3.333		8260	cps	9/7/2000
1,3-Dichloropropane	< 1.3	ug/l	1.3	4.1	ns	3.333		8260	cps	9/7/2000
1,4-Dichlorobenzene	< 1.2	ug/l	1.2	3.8	15	3.333		8260	cps	9/7/2000
12Dibromo-3-chloropropan	< 1.1	ug/l	1.1	3.5	0.02	3.333		8260	cps	9/7/2000
2,2-Dichloropropane	< 0.9	ug/l	0.9	2.9	ns	3.333		8260	cps	9/7/2000
2-Butanone (MEK)	< 4.6	ug/l	4.6	15	90	3.333		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 2.3	ug/l	2.3	7.4	ns	3.333		8260	cps	9/7/2000
2-Chlorotoluene	< 1	ug/l	1	3.2	ns	3.333		8260	cps	9/7/2000
4-Chlorotoluene	< 0.87	ug/l	0.87	2.8	ns	3.333		8260	cps	9/7/2000
4-Methyl-2-Pentanone	< 2.7	ug/l	2.7	8.5	50	3.333		8260	cps	9/7/2000
Acetone	< 5.2	ug/l	5.2	16	200	3.333		8260	cps	9/7/2000
Benzene	< 0.9	ug/l	0.9	2.9	0.5	3.333		8260	cps	9/7/2000
Bromobenzene	< 1	ug/l	1	3.3	ns	3.333		8260	cps	9/7/2000
Bromochloromethane	< 1.2	ug/l	1.2	3.9	ns	3.333		8260	cps	9/7/2000
Bromodichloromethane	< 1.3	ug/l	1.3	4	0.06	3.333		8260	cps	9/7/2000
Bromoform	< 1.3	ug/l	1.3	4.1	0.44	3.333		8260	cps	9/7/2000
Bromomethane	< 2.2	ug/l	2.2	6.9	1	3.333		8260	cps	9/7/2000
Carbon tetrachloride	< 0.9	ug/l	0.9	2.9	0.5	3.333		8260	cps	9/7/2000
Chlorobenzene	< 0.87	ug/l	0.87	2.8	20	3.333		8260	cps	9/7/2000
Chloroethane	< 2.1	ug/l	2.1	6.8	80	3.333		8260	cps	9/7/2000
Chloroform	< 0.8	ug/l	0.8	2.5	0.6	3.333		8260	cps	9/7/2000
Chloromethane	< 1.6	ug/l	1.6	5.2	0.3	3.333		8260	cps	9/7/2000
cis-1,2-Dichloroethene	41	ug/l	0.9	2.9	7	3.333		8260	cps	9/7/2000
cis-1,3-Dichloropropene	< 1.2	ug/l	1.2	3.9	0.02	3.333		8260	cps	9/7/2000
Dibromochloromethane	< 1.4	ug/l	1.4	4.3	6	3.333		8260	cps	9/7/2000
Dibromomethane	< 1.5	ug/l	1.5	4.9	ns	3.333		8260	cps	9/7/2000
Dichlorodifluoromethane	< 0.9	ug/l	0.9	2.9	200	3.333		8260	cps	9/7/2000
Ethylbenzene	< 0.83	ug/l	0.83	2.7	140	3.333		8260	cps	9/7/2000
Hexachlorobutadiene	< 1.4	ug/l	1.4	4.5	ns	3.333		8260	cps	9/7/2000
Isopropyl Ether	< 1	ug/l	1	3.2	ns	3.333		8260	cps	9/7/2000
Isopropylbenzene	< 1.1	ug/l	1.1	3.5	ns	3.333		8260	cps	9/7/2000
m&p-xylene	< 1.8	ug/l	1.8	5.6	124	3.333		8260	cps	9/7/2000
Methyl-t-butyl ether	< 1.3	ug/l	1.3	4.1	12	3.333		8260	cps	9/7/2000
Methylene chloride	< 1	ug/l	1	3.2	0.5	3.333		8260	cps	9/7/2000
n-Butylbenzene	< 1.2	ug/l	1.2	3.8	ns	3.333		8260	cps	9/7/2000
n-Propylbenzene	< 0.93	ug/l	0.93	3	ns	3.333		8260	cps	9/7/2000
Naphthalene	< 2.5	ug/l	2.5	8	8	3.333		8260	cps	9/7/2000
o-xylene	< 0.83	ug/l	0.83	2.7	124	3.333		8260	cps	9/7/2000
p-Isopropyltoluene	< 1	ug/l	1	3.3	ns	3.333		8260	cps	9/7/2000
sec-Butylbenzene	< 1.1	ug/l	1.1	3.6	ns	3.333		8260	cps	9/7/2000
Styrene	< 0.83	ug/l	0.83	2.7	10	3.333		8260	cps	9/7/2000
tert-Butylbenzene	< 1	ug/l	1	3.2	ns	3.333		8260	cps	9/7/2000
Tetrachloroethene	< 1	ug/l	1	3.3	0.5	3.333		8260	cps	9/7/2000
Toluene	< 0.97	ug/l	0.97	3.1	68.6	3.333		8260	cps	9/7/2000
trans-1,2-Dichloroethene	14	ug/l	0.83	2.7	20	3.333		8260	cps	9/7/2000
trans-1,3-Dichloropropene	< 0.87	ug/l	0.87	2.8	0.02	3.333		8260	cps	9/7/2000
Trichloroethene	36	ug/l	1.1	3.6	0.5	3.333		8260	cps	9/7/2000
Trichlorofluoromethane	< 0.8	ug/l	0.8	2.5	ns	3.333		8260	cps	9/7/2000
Vinyl chloride	1.9	ug/l	0.67	2.1	0.02	3.333	J	8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Sample Number: **21123** QC Prep Batch Number: 995121 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000906MW16SP** Sample Description: *Collection: 9/7/2000 Time: 10:35*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	ns	4		8260	cps	9/7/2000
1,1,1-Trichloroethane	< 1.2	ug/l	1.2	3.9	40	4		8260	cps	9/7/2000
1,1,2,2-Tetrachloroethane	< 1.8	ug/l	1.8	5.6	0.02	4		8260	cps	9/7/2000
1,1,2-Trichloroethane	< 1.8	ug/l	1.8	5.6	0.5	4		8260	cps	9/7/2000
1,1-Dichloroethane	< 1.3	ug/l	1.3	4.1	85	4		8260	cps	9/7/2000
1,1-Dichloroethene	< 1.4	ug/l	1.4	4.3	0.7	4		8260	cps	9/7/2000
1,1-Dichloropropene	< 1.7	ug/l	1.7	5.5	ns	4		8260	cps	9/7/2000
1,2,3-Trichlorobenzene	< 2	ug/l	2	6.4	ns	4		8260	cps	9/7/2000
1,2,3-Trichloropropane	< 2	ug/l	2	6.5	ns	4		8260	cps	9/7/2000
1,2,4-Trichlorobenzene	< 1.9	ug/l	1.9	6	14	4		8260	cps	9/7/2000
1,2,4-Trimethylbenzene	< 1.2	ug/l	1.2	3.8	ns	4		8260	cps	9/7/2000
1,2-Dibromoethane	< 1.8	ug/l	1.8	5.9	0.005	4		8260	cps	9/7/2000
1,2-Dichlorobenzene	< 1.4	ug/l	1.4	4.3	60	4		8260	cps	9/7/2000
1,2-Dichloroethane	< 1.4	ug/l	1.4	4.5	0.5	4		8260	cps	9/7/2000
1,2-Dichloropropane	< 1.3	ug/l	1.3	4.1	0.5	4		8260	cps	9/7/2000
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.3	ns	4		8260	cps	9/7/2000
1,3-Dichlorobenzene	< 1	ug/l	1	3.3	125	4		8260	cps	9/7/2000
1,3-Dichloropropane	< 1.6	ug/l	1.6	5	ns	4		8260	cps	9/7/2000
1,4-Dichlorobenzene	< 1.4	ug/l	1.4	4.6	15	4		8260	cps	9/7/2000
12Dibromo-3-chloropropan	< 1.3	ug/l	1.3	4.2	0.02	4		8260	cps	9/7/2000
2,2-Dichloropropane	< 1.1	ug/l	1.1	3.4	ns	4		8260	cps	9/7/2000
2-Butanone (MEK)	7.9	ug/l	5.5	18	90	4	J	8260	cps	9/7/2000
2-Chloroethyl Vinyl Ether	< 2.8	ug/l	2.8	8.9	ns	4		8260	cps	9/7/2000
2-Chlorotoluene	< 1.2	ug/l	1.2	3.8	ns	4		8260	cps	9/7/2000
4-Chlorotoluene	< 1	ug/l	1	3.3	ns	4		8260	cps	9/7/2000
4-Methyl-2-Pentanone	< 3.2	ug/l	3.2	10	50	4		8260	cps	9/7/2000
Acetone	< 6.2	ug/l	6.2	20	200	4		8260	cps	9/7/2000
Benzene	< 1.1	ug/l	1.1	3.4	0.5	4		8260	cps	9/7/2000
Bromobenzene	< 1.2	ug/l	1.2	3.9	ns	4		8260	cps	9/7/2000
Bromochloromethane	< 1.5	ug/l	1.5	4.7	ns	4		8260	cps	9/7/2000
Bromodichloromethane	< 1.5	ug/l	1.5	4.8	0.06	4		8260	cps	9/7/2000
Bromoform	< 1.6	ug/l	1.6	5	0.44	4		8260	cps	9/7/2000
Bromomethane	< 2.6	ug/l	2.6	8.3	1	4		8260	cps	9/7/2000
Carbon tetrachloride	< 1.1	ug/l	1.1	3.4	0.5	4		8260	cps	9/7/2000
Chlorobenzene	< 1	ug/l	1	3.3	20	4		8260	cps	9/7/2000
Chloroethane	< 2.6	ug/l	2.6	8.1	80	4		8260	cps	9/7/2000
Chloroform	< 0.96	ug/l	0.96	3.1	0.6	4		8260	cps	9/7/2000
Chloromethane	< 2	ug/l	2	6.2	0.3	4		8260	cps	9/7/2000
cis-1,2-Dichloroethene	159	ug/l	1.1	3.4	7	4		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	< 1.5	ug/l	1.5	4.7	0.02	4		8260	cps	9/7/2000
Dibromochloromethane	< 1.6	ug/l	1.6	5.2	6	4		8260	cps	9/7/2000
Dibromomethane	< 1.8	ug/l	1.8	5.9	ns	4		8260	cps	9/7/2000
Dichlorodifluoromethane	< 1.1	ug/l	1.1	3.4	200	4		8260	cps	9/7/2000
Ethylbenzene	< 1	ug/l	1	3.2	140	4		8260	cps	9/7/2000
Hexachlorobutadiene	< 1.7	ug/l	1.7	5.3	ns	4		8260	cps	9/7/2000
Isopropyl Ether	< 1.2	ug/l	1.2	3.8	ns	4		8260	cps	9/7/2000
Isopropylbenzene	< 1.3	ug/l	1.3	4.2	ns	4		8260	cps	9/7/2000
m&p-xylene	< 2.1	ug/l	2.1	6.7	124	4		8260	cps	9/7/2000
Methyl-t-butyl ether	< 1.6	ug/l	1.6	5	12	4		8260	cps	9/7/2000
Methylene chloride	< 1.2	ug/l	1.2	3.8	0.5	4		8260	cps	9/7/2000
n-Butylbenzene	< 1.4	ug/l	1.4	4.6	ns	4		8260	cps	9/7/2000
n-Propylbenzene	< 1.1	ug/l	1.1	3.6	ns	4		8260	cps	9/7/2000
Naphthalene	< 3	ug/l	3	9.5	8	4		8260	cps	9/7/2000
o-xylene	< 1	ug/l	1	3.2	124	4		8260	cps	9/7/2000
p-Isopropyltoluene	< 1.2	ug/l	1.2	3.9	ns	4		8260	cps	9/7/2000
sec-Butylbenzene	< 1.4	ug/l	1.4	4.3	ns	4		8260	cps	9/7/2000
Styrene	< 1	ug/l	1	3.2	10	4		8260	cps	9/7/2000
tert-Butylbenzene	< 1.2	ug/l	1.2	3.8	ns	4		8260	cps	9/7/2000
Tetrachloroethene	< 1.2	ug/l	1.2	3.9	0.5	4		8260	cps	9/7/2000
Toluene	< 1.2	ug/l	1.2	3.7	68.6	4		8260	cps	9/7/2000
trans-1,2-Dichloroethene	2.2	ug/l	1	3.2	20	4	J	8260	cps	9/7/2000
trans-1,3-Dichloropropene	< 1	ug/l	1	3.3	0.02	4		8260	cps	9/7/2000
Trichloroethene	< 1.4	ug/l	1.4	4.3	0.5	4		8260	cps	9/7/2000
Trichlorofluoromethane	< 0.96	ug/l	0.96	3.1	ns	4		8260	cps	9/7/2000
Vinyl chloride	178	ug/l	0.8	2.5	0.02	4		8260	cps	9/7/2000

Sample Number: **21124** QC Prep Batch Number: 995121 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000906MW15D** Sample Description: *Collection: 9/7/2000 Time: 10:15*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/7/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/7/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/7/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/7/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/7/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/7/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/7/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/7/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/7/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/7/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/7/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/7/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/7/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/7/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/7/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/7/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Chlorobenzene	4.9	ug/l	0.26	0.83	20	1		8260	cps	9/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/7/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/7/2000
cis-1,2-Dichloroethene	3.7	ug/l	0.27	0.86	7	1		8260	cps	9/7/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/7/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/7/2000
Methyl-t-butyl ether	0.92	ug/l	0.39	1.2	12	1	J	8260	cps	9/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/7/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/7/2000
trans-1,2-Dichloroethene	0.49	ug/l	0.25	0.8	20	1	J	8260	cps	9/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/7/2000
Trichloroethene	33	ug/l	0.34	1.1	0.5	1		8260	cps	9/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/7/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/7/2000

Sample Number: **21125** QC Prep Batch Number: 995121 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000906MW14D** Sample Description: *Collection: 9/7/2000 Time: 10:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/7/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/7/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/7/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/7/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/7/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/7/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/7/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/7/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/7/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/7/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/7/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/7/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/7/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/7/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/7/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/7/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/7/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/7/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/7/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/7/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/7/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/7/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/7/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/7/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/7/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/7/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/7/2000

Sample Number: **21126** QC Prep Batch Number: 995121 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 9/6/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1	8260	cps	9/7/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1	8260	cps	9/7/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1	8260	cps	9/7/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1	8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/7/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/7/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/7/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/7/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/7/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/7/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/7/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/7/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/7/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/7/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/7/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/7/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/7/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/7/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/7/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/7/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/7/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000651**
DATE REPORTED: 08-Sep-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monitoring

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/7/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/7/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/7/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/7/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/7/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/7/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/7/2000

Approved By: _____ **Date:** 9/8/00

James Chang, Ph.D. , Lab Director

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

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

APL Environmental
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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000651**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monit

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

Nova Sample Number: 21118
Client ID: **000906MW05DP**
Collection: 9/6/2000 Time: 11:00
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.096**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/13/2000	*995165*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	tm	9/13/2000	*995164*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	9/13/2000	*995165*	
Copper- ICAP	**0.015**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Iron - ICAP	**2.39**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	9/13/2000	*995165*	
Lead - Furnace AA	**1.595**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	9/8/2000	*995142*	
Manganese - ICAP	**0.091**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Mercury CV	**<0.0002**	**mg/l**	*J* **RJ**	0.0002	0.0006	245.1	tm	9/15/2000	*995185*	
Nickel - ICAP	**<0.011**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/13/2000	*995165*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/15/2000	*995187*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/13/2000	*995165*	
Thallium - Furnace AA	**4.427**	**ug/l**	*J* **RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.028**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	9/13/2000	*995165*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/7/2000	*995129*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995192*	
pH (water)	**6.32**	**s.u.**	#			150.1	tn	9/7/2000	*995115*	

Nova Sample Number: 21119
Client ID: **000906MW02DP**
Collection: 9/6/2000 Time: 11:20
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	tm	9/12/2000	*995155*	
Barium - ICAP	**0.089**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/13/2000	*995165*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	tm	9/13/2000	*995164*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	9/13/2000	*995165*	
Copper- ICAP	**0.015**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Iron - ICAP	**1.31**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	9/13/2000	*995165*	
Lead - Furnace AA	**<1.5**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	9/8/2000	*995142*	
Manganese - ICAP	**0.042**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Mercury CV	**<0.0002**	**mg/l**	*J* **RJ**	0.0002	0.0006	245.1	tm	9/15/2000	*995185*	
Nickel - ICAP	**<0.011**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/13/2000	*995165*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000651**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monit

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	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/15/2000	*995187*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/13/2000	*995165*	
Thallium - Furnace AA	**5.534**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.021**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	9/13/2000	*995165*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/7/2000	*995129*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995192*	
pH (water)	**7.13**	**s.u.**	#			150.1	tn	9/7/2000	*995115*	

Nova Sample Number: 21120
Client ID: **000906MW13SP**
Collection: 9/6/2000 Time: 11:55
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.049**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/13/2000	*995165*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	tm	9/13/2000	*995164*	
Chromium, Total - ICAP	**0.052**	**mg/l**	**RJ**	0.008	0.03	200.7	tm	9/13/2000	*995165*	
Copper- ICAP	**0.013**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Iron - ICAP	**2.46**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	9/13/2000	*995165*	
Lead - Furnace AA	**1.817**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	9/8/2000	*995142*	
Manganese - ICAP	**0.137**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Mercury CV	**<0.0002**	**mg/l**	*J* **RJ**	0.0002	0.0006	245.1	tm	9/15/2000	*995185*	
Nickel - ICAP	**0.014**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/13/2000	*995165*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/15/2000	*995187*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/13/2000	*995165*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.051**	**mg/l**	**RJ**	0.014	0.04	200.7	tm	9/13/2000	*995165*	
Chromium, Hexavalent	**0.031**	**mg/l**		0.004	0.01	SM 3500D	12805	9/7/2000	*995129*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995192*	
pH (water)	**7.52**	**s.u.**	#			150.1	tn	9/7/2000	*995115*	

Nova Sample Number: 21121
Client ID: **000906MW12BP**
Collection: 9/6/2000 Time: 13:25
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.344**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/13/2000	*995165*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000651
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monit

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	tm	9/13/2000	995164	
Chromium, Total - ICAP	0.091	mg/l	RJ	0.008	0.03	200.7	tm	9/13/2000	995165	
Copper- ICAP	0.008	mg/l	J RJ	0.006	0.02	200.7	tm	9/13/2000	995165	
Iron - ICAP	33.5	mg/l	RJ	0.081	0.26	200.7	tm	9/13/2000	995165	
Lead - Furnace AA	7.135	ug/l	RJ	1.5	4.8	239.2	tm	9/8/2000	995142	
Manganese - ICAP	1.05	mg/l	RJ	0.006	0.02	200.7	tm	9/13/2000	995165	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	9/15/2000	995185	
Nickel - ICAP	0.249	mg/l	RJ	0.011	0.03	200.7	tm	9/13/2000	995165	
Selenium - Furnace AA	<4.8	ug/l	J RJ	4.8	15	270.2	tm	9/15/2000	995187	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	9/13/2000	995165	
Thallium - Furnace AA	<1.7	ug/l	J RJ	1.7	5.4	279.2	tm	9/11/2000	995152	
Zinc - ICAP	0.030	mg/l	J RJ	0.014	0.04	200.7	tm	9/13/2000	995165	
Chromium, Hexavalent	0.018	mg/l		0.004	0.01	SM 3500D	12805	9/7/2000	995129	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	9/18/2000	995193	
Cyanide, Total	<0.006	mg/l	J	0.006	0.02	335.2	dmd	9/18/2000	995192	
pH (water)	7.45	s.u.	#			150.1	tn	9/7/2000	995115	

Nova Sample Number: 21122
Client ID: **000906MW12DP**

Collection: 9/6/2000 Time: 13:15
Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	J RJ	5.6	18	206.2	tm	9/12/2000	995155	
Barium - ICAP	0.093	mg/l	RJ	0.007	0.02	200.7	tm	9/13/2000	995165	
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	tm	9/13/2000	995164	
Chromium, Total - ICAP	0.010	mg/l	J RJ	0.008	0.03	200.7	tm	9/13/2000	995165	
Copper- ICAP	0.025	mg/l	RJ	0.006	0.02	200.7	tm	9/13/2000	995165	
Iron - ICAP	1.61	mg/l	RJ	0.081	0.26	200.7	tm	9/13/2000	995165	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	9/8/2000	995142	
Manganese - ICAP	0.044	mg/l	RJ	0.006	0.02	200.7	tm	9/13/2000	995165	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	9/15/2000	995185	
Nickel - ICAP	0.043	mg/l	RJ	0.011	0.03	200.7	tm	9/13/2000	995165	
Selenium - Furnace AA	<4.8	ug/l	J RJ	4.8	15	270.2	tm	9/15/2000	995187	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	9/13/2000	995165	
Thallium - Furnace AA	4.704	ug/l	J RJ	1.7	5.4	279.2	tm	9/11/2000	995152	
Zinc - ICAP	0.127	mg/l	RJ	0.014	0.04	200.7	tm	9/13/2000	995165	
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	9/7/2000	995129	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000651**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monit

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**0.01**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995192*	
pH (water)	**7.35**	**s.u.**	#			150.1	tn	9/7/2000	*995115*	

Nova Sample Number: 21123
Client ID: **000906MW16SP**
Collection: 9/7/2000 Time: 10:35
Sample Description:

Arsenic - Furnace AA	**6.324**	**ug/l**	*J* RJ	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.025**	**mg/l**	RJ	0.007	0.02	200.7	tm	9/13/2000	*995165*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* TTR	0.4	1.3	213.2	tm	9/13/2000	*995164*	
Chromium, Total - ICAP	**0.008**	**mg/l**	*J* RJ	0.008	0.03	200.7	tm	9/13/2000	*995165*	
Copper- ICAP	**<0.006**	**mg/l**	*J* RJ	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Iron - ICAP	**9.32**	**mg/l**	RJ	0.081	0.26	200.7	tm	9/13/2000	*995165*	
Lead - Furnace AA	**<1.5**	**ug/l**	*J* RJ	1.5	4.8	239.2	tm	9/8/2000	*995142*	
Manganese - ICAP	**0.210**	**mg/l**	RJ	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Mercury CV	**<0.0002**	**mg/l**	*J* RJ	0.0002	0.0006	245.1	tm	9/15/2000	*995185*	
Nickel - ICAP	**0.023**	**mg/l**	*J* RJ	0.011	0.03	200.7	tm	9/13/2000	*995165*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* RJ	4.8	15	270.2	tm	9/15/2000	*995187*	
Silver - ICAP	**<0.004**	**mg/l**	*J* RJ	0.004	0.01	200.7	tm	9/13/2000	*995165*	
Thallium - Furnace AA	**2.490**	**ug/l**	*J* RJ	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.044**	**mg/l**	*J* RJ	0.014	0.04	200.7	tm	9/13/2000	*995165*	
Chromium, Hexavalent	**0.01**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/8/2000	*995151*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995192*	
pH (water)	**8.92**	**s.u.**	#			150.1	tn	9/7/2000	*995115*	

Nova Sample Number: 21124
Client ID: **000906MW15DP**
Collection: 9/7/2000 Time: 10:15
Sample Description:

Arsenic - Furnace AA	**11.923**	**ug/l**	*J* RJ	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.121**	**mg/l**	RJ	0.007	0.02	200.7	tm	9/13/2000	*995165*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* TTR	0.4	1.3	213.2	tm	9/13/2000	*995164*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* RJ	0.008	0.03	200.7	tm	9/13/2000	*995165*	
Copper- ICAP	**0.015**	**mg/l**	RJ	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Iron - ICAP	**0.145**	**mg/l**	*J* RJ	0.081	0.26	200.7	tm	9/13/2000	*995165*	
Lead - Furnace AA	**<1.5**	**ug/l**	*J* RJ	1.5	4.8	239.2	tm	9/8/2000	*995143*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000651**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 07-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: Quarterly Monit

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Manganese - ICAP	**0.270**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Mercury CV	**<0.0002**	**mg/l**	***J* RJ**	0.0002	0.0006	245.1	tm	9/15/2000	*995185*	
Nickel - ICAP	**<0.011**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	9/13/2000	*995165*	
Selenium - Furnace AA	**<4.8**	**ug/l**	***J* RJ**	4.8	15	270.2	tm	9/15/2000	*995187*	
Silver - ICAP	**<0.004**	**mg/l**	***J* RJ**	0.004	0.01	200.7	tm	9/13/2000	*995165*	
Thallium - Furnace AA	**<1.7**	**ug/l**	***J* RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.026**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	9/13/2000	*995165*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	***J***	0.004	0.01	SM 3500D	12805	9/8/2000	*995151*	
Cyanide, Amenable	**<0.006**	**mg/l**	***J***	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	***J***	0.006	0.02	335.2	dmd	9/18/2000	*995192*	
pH (water)	**6.73**	**s.u.**	**#**			150.1	tn	9/7/2000	*995115*	

Nova Sample Number: 21125
Client ID: **000906MW14DP**
Collection: 9/7/2000 Time: 10:00
Sample Description:

Arsenic - Furnace AA	**9.435**	**ug/l**	***J* RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.040**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/13/2000	*995165*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	***J* TTR**	0.4	1.3	213.2	tm	9/13/2000	*995164*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	***J* RJ**	0.008	0.03	200.7	tm	9/13/2000	*995165*	
Copper- ICAP	**0.032**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Iron - ICAP	**<0.081**	**mg/l**	***J* RJ**	0.081	0.26	200.7	tm	9/13/2000	*995165*	
Lead - Furnace AA	**<1.5**	**ug/l**	***J* RJ**	1.5	4.8	239.2	tm	9/8/2000	*995142*	
Manganese - ICAP	**0.068**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/13/2000	*995165*	
Mercury CV	**<0.0002**	**mg/l**	***J* RJ**	0.0002	0.0006	245.1	tm	9/15/2000	*995185*	
Nickel - ICAP	**<0.011**	**mg/l**	***J* RJ**	0.011	0.03	200.7	tm	9/13/2000	*995165*	
Selenium - Furnace AA	**<4.8**	**ug/l**	***J* RJ**	4.8	15	270.2	tm	9/15/2000	*995187*	
Silver - ICAP	**<0.004**	**mg/l**	***J* RJ**	0.004	0.01	200.7	tm	9/13/2000	*995165*	
Thallium - Furnace AA	**3.320**	**ug/l**	***J* RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**0.042**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	9/13/2000	*995165*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	***J***	0.004	0.01	SM 3500D	12805	9/8/2000	*995151*	
Cyanide, Amenable	**<0.006**	**mg/l**	***J***	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	***J***	0.006	0.02	335.2	dmd	9/18/2000	*995192*	
pH (water)	**6.97**	**s.u.**	**#**			150.1	tn	9/7/2000	*995115*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000651**
DATE REPORTED:	02-Oct-00
DATE RECEIVED:	07-Sep-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	Quarterly Monit

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

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

Approved By: _____ **Date:** 9/30/0

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
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

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

APL INC.
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ORGANIC REPORT

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

WDNR# 241340550

BATCH NUMBER: **20000656**
DATE REPORTED: 14-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: **21143** QC Prep Batch Number: 995163 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000911WA01P** Sample Description: *Collection: 9/11/2000 Time: 07:50*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	9/12/2000
1,1,1-Trichloroethane	177	ug/l	3.1	9.9	40	10		8260	cps	9/12/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	9/12/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	9/12/2000
1,1-Dichloroethane	26	ug/l	3.2	10	85	10		8260	cps	9/12/2000
1,1-Dichloroethene	15	ug/l	3.4	11	0.7	10		8260	cps	9/12/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	9/12/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	9/12/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	9/12/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	9/12/2000
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	9/12/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	9/12/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	9/12/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	9/12/2000
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	0.5	10		8260	cps	9/12/2000
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	9/12/2000
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	125	10		8260	cps	9/12/2000
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	ns	10		8260	cps	9/12/2000
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	15	10		8260	cps	9/12/2000
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	0.02	10		8260	cps	9/12/2000
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	ns	10		8260	cps	9/12/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	9/12/2000
2-Chloroethyl Vinyl Ether	< 7	ug/l	7	22	ns	10		8260	cps	9/12/2000
2-Chlorotoluene	< 3	ug/l	3	9.5	ns	10		8260	cps	9/12/2000
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	ns	10		8260	cps	9/12/2000
4-Methyl-2-Pentanone	< 8	ug/l	8	25	50	10		8260	cps	9/12/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	9/12/2000
Benzene	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	9/12/2000
Bromobenzene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	9/12/2000
Bromochloromethane	< 3.7	ug/l	3.7	12	ns	10		8260	cps	9/12/2000
Bromodichloromethane	< 3.8	ug/l	3.8	12	0.06	10		8260	cps	9/12/2000
Bromoform	< 3.9	ug/l	3.9	12	0.44	10		8260	cps	9/12/2000
Bromomethane	< 6.5	ug/l	6.5	21	1	10		8260	cps	9/12/2000
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	0.5	10		8260	cps	9/12/2000
Chlorobenzene	< 2.6	ug/l	2.6	8.3	20	10		8260	cps	9/12/2000
Chloroethane	8.6	ug/l	6.4	20	80	10	J	8260	cps	9/12/2000
Chloroform	< 2.4	ug/l	2.4	7.6	0.6	10		8260	cps	9/12/2000
Chloromethane	< 4.9	ug/l	4.9	16	0.3	10		8260	cps	9/12/2000
cis-1,2-Dichloroethene	41	ug/l	2.7	8.6	7	10		8260	cps	9/12/2000
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	0.02	10		8260	cps	9/12/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000656**
DATE REPORTED: 14-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 4.1	ug/l	4.1	13	6	10		8260	cps	9/12/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	9/12/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	9/12/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	9/12/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	9/12/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	9/12/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	9/12/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	9/12/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	9/12/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	9/12/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	9/12/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	9/12/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	9/12/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	9/12/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	9/12/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	9/12/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	9/12/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	9/12/2000
Tetrachloroethene	4.8	ug/l	3.1	9.9	0.5	10	*J*	8260	cps	9/12/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	9/12/2000
trans-1,2-Dichloroethene	15	ug/l	2.5	8	20	10		8260	cps	9/12/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	9/12/2000
Trichloroethene	549	ug/l	3.4	11	0.5	10		8260	cps	9/12/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	9/12/2000
Vinyl chloride	< 2	ug/l	2	6.4	0.02	10		8260	cps	9/12/2000

Sample Number: **21148** QC Prep Batch Number: 995163 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000911WA07P** Sample Description: *Collection: 9/11/2000 Time: 07:58*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/12/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/12/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/12/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/12/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/12/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/12/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/12/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/12/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/12/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/12/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/12/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/12/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/12/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000656**
DATE REPORTED: 14-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/12/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/12/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/12/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/12/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/12/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/12/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/12/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/12/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/12/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/12/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/12/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/12/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/12/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/12/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/12/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/12/2000
Bromoform	0.42	ug/l	0.39	1.2	0.44	1	J	8260	cps	9/12/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/12/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/12/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/12/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/12/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/12/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/12/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/12/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/12/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/12/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/12/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/12/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/12/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/12/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/12/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/12/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/12/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/12/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/12/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/12/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/12/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/12/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/12/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/12/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/12/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000656**
DATE REPORTED: 14-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/12/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/12/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/12/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/12/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/12/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/12/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/12/2000

Sample Number: **21149** QC Prep Batch Number: 995163 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000911WA08P** Sample Description: *Collection: 9/11/2000 Time: 08:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/12/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/12/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/12/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/12/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/12/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/12/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/12/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/12/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/12/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/12/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/12/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/12/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/12/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/12/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/12/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/12/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/12/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/12/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/12/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/12/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/12/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/12/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/12/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/12/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/12/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/12/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/12/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/12/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/12/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000656**
DATE REPORTED: 14-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/12/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/12/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/12/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/12/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/12/2000
Chloroform	0.43	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/12/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/12/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/12/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/12/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/12/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/12/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/12/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/12/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/12/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/12/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/12/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/12/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/12/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/12/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/12/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/12/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/12/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/12/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/12/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/12/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/12/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/12/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/12/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/12/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/12/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/12/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/12/2000

Sample Number: **21150** QC Prep Batch Number: 995163 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 9/11/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/12/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/12/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/12/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/12/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/12/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000656**
DATE REPORTED: 14-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/12/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/12/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/12/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/12/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/12/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/12/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/12/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/12/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/12/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/12/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/12/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/12/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/12/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/12/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/12/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/12/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/12/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/12/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/12/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/12/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/12/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/12/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/12/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/12/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/12/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/12/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/12/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/12/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/12/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/12/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/12/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/12/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/12/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/12/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/12/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/12/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/12/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/12/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/12/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/12/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000656**
DATE REPORTED: 14-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/12/2000
Methylene chloride	0.34	ug/l	0.3	0.95	0.5	1	J	8260	cps	9/12/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/12/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/12/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/12/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/12/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/12/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/12/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/12/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/12/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/12/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/12/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/12/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/12/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/12/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/12/2000

Sample Number: **21151** QC Prep Batch Number: 995163 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000911WA09P** Sample Description: *Collection: 9/11/2000 Time: 09:03*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/12/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/12/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/12/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/12/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/12/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/12/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/12/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/12/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/12/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/12/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/12/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/12/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/12/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/12/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/12/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/12/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/12/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/12/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/12/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/12/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/12/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000656**
DATE REPORTED: 14-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/12/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/12/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/12/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/12/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/12/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/12/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/12/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/12/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/12/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/12/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/12/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/12/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/12/2000
Chloroform	0.4	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/12/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/12/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/12/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/12/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/12/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/12/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/12/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/12/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/12/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/12/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/12/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/12/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/12/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/12/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/12/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/12/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/12/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/12/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/12/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/12/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/12/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/12/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/12/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/12/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/12/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1	NC	8260	cps	9/12/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/12/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/12/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000656**
DATE REPORTED:	14-Sep-00
DATE RECEIVED:	11-Sep-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal

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

James Chang, Ph.D. , Lab Director

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

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

APL Environmental
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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000656
DATE REPORTED: 18-Sep-00
DATE RECEIVED: 11-Sep-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: 21143
Client ID: **000911WA01P**
Collection: 9/11/2000 Time: 07:50
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	J RJ	5.6	18	206.2	tm	9/12/2000	995155	
Barium - ICAP	0.074	mg/l	RJ	0.007	0.02	200.7	tm	9/18/2000	995201	Preliminary Data
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	tm	9/13/2000	995164	Preliminary Data
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	9/18/2000	995201	Preliminary Data
Copper- ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	9/18/2000	995201	Preliminary Data
Iron - ICAP	0.663	mg/l	RJ	0.081	0.26	200.7	tm	9/18/2000	995201	Preliminary Data
Lead - Furnace AA	7.8	ug/l	RJ	1.5	4.8	239.2	tm	9/13/2000	995160	Preliminary Data
Manganese - ICAP	0.105	mg/l	RJ	0.006	0.02	200.7	tm	9/18/2000	995201	Preliminary Data
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	9/15/2000	995185	Preliminary Data
Nickel - ICAP	0.025	mg/l	J RJ	0.011	0.03	200.7	tm	9/18/2000	995201	Preliminary Data
Selenium - Furnace AA	<4.8	ug/l	J RJ	4.8	15	270.2	tm	9/15/2000	995187	Preliminary Data
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	9/18/2000	995201	Preliminary Data
Thallium - Furnace AA	<1.7	ug/l	J RJ	1.7	5.4	279.2	tm	9/11/2000	995152	Preliminary Data
Zinc - ICAP	<0.014	mg/l	J RJ	0.014	0.04	200.7	tm	9/18/2000	995201	Preliminary Data
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	9/12/2000	995194	Preliminary Data
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	9/18/2000	995193	Preliminary Data
Cyanide, Total	0.012	mg/l	J	0.006	0.02	335.2	dmd	9/18/2000	995192	Preliminary Data
pH (water)	7.1	s.u.	#			150.1	tn	9/11/2000	995141	Preliminary Data

Nova Sample Number: 21144
Client ID: **000911WA09R**
Collection: 9/11/2000 Time: 10:20
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	tm	9/12/2000	995155	
Barium - ICAP	0.010	mg/l	J RJ	0.007	0.02	200.7	tm	9/18/2000	995201	Preliminary Data
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	tm	9/13/2000	995164	Preliminary Data
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	9/18/2000	995201	Preliminary Data
Copper- ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	9/18/2000	995201	Preliminary Data
Iron - ICAP	<0.081	mg/l	J RJ	0.081	0.26	200.7	tm	9/18/2000	995201	Preliminary Data
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	9/13/2000	995160	Preliminary Data
Manganese - ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	9/18/2000	995201	Preliminary Data
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	9/15/2000	995185	Preliminary Data
Nickel - ICAP	<0.011	mg/l	J RJ	0.011	0.03	200.7	tm	9/18/2000	995201	Preliminary Data

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000656
DATE REPORTED: 18-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/15/2000	*995187*	*Preliminary Data*
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/18/2000	*995201*	*Preliminary Data*
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	*Preliminary Data*
Zinc - ICAP	**<0.014**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	9/18/2000	*995201*	*Preliminary Data*
Nova Sample Number: 21145										
Client ID: **000911WA02P**								Collection: 9/11/2000		Time: 08:04
								Sample Description:		
pH (water)	**9.6**	**s.u.**	#			150.1	tn	9/11/2000	*995141*	*Preliminary Data*
Nova Sample Number: 21146										
Client ID: **000911WA03P**								Collection: 9/11/2000		Time: 08:02
								Sample Description:		
pH (water)	**11.5**	**s.u.**	#			150.1	tn	9/11/2000	*995141*	*Preliminary Data*
Nova Sample Number: 21147										
Client ID: **000911WA05P**								Collection: 9/11/2000		Time: 07:55
								Sample Description:		
pH (water)	**8.7**	**s.u.**	#			150.1	tn	9/11/2000	*995141*	*Preliminary Data*
Nova Sample Number: 21151										
Client ID: **000911WA09P**								Collection: 9/11/2000		Time: 09:03
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/12/2000	*995194*	*Preliminary Data*
Cyanide, Amenable		**mg/l**	*J*	0.006	0.02	335.2			*995193*	*Preliminary Data*
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995192*	*Preliminary Data*
pH (water)	**7.9**	**s.u.**	#			150.1	tn	9/11/2000	*995141*	*Preliminary Data*

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000656
DATE REPORTED: 18-Sep-00
DATE RECEIVED: 11-Sep-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:** 9/30/

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.

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000656
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 21143
Client ID: **000911WA01P**
Collection: 9/11/2000 Time: 07:50
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.074**	**mg/l**	**RJ**	0.007	0.02	200.7	tm	9/18/2000	*995201*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	tm	9/13/2000	*995164*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	9/18/2000	*995201*	
Copper- ICAP	**<0.006**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	9/18/2000	*995201*	
Iron - ICAP	**0.663**	**mg/l**	**RJ**	0.081	0.26	200.7	tm	9/18/2000	*995201*	
Lead - Furnace AA	**7.8**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	9/13/2000	*995160*	
Manganese - ICAP	**0.105**	**mg/l**	**RJ**	0.006	0.02	200.7	tm	9/18/2000	*995201*	
Mercury CV	**<0.0002**	**mg/l**	*J* **RJ**	0.0002	0.0006	245.1	tm	9/15/2000	*995185*	
Nickel - ICAP	**0.025**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/18/2000	*995201*	
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/15/2000	*995187*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/18/2000	*995201*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**<0.014**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	9/18/2000	*995201*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/12/2000	*995194*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995193*	
Cyanide, Total	**0.012**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995192*	
pH (water)	**7.1**	**s.u.**	#			150.1	tn	9/11/2000	*995141*	

Nova Sample Number: 21144
Client ID: **000911WA09R**
Collection: 9/11/2000 Time: 10:20
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	*J* **RJ**	5.6	18	206.2	tm	9/12/2000	*995155*	
Barium - ICAP	**0.010**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	tm	9/18/2000	*995201*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	*J* **TTR**	0.4	1.3	213.2	tm	9/13/2000	*995164*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	tm	9/18/2000	*995201*	
Copper- ICAP	**<0.006**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	9/18/2000	*995201*	
Iron - ICAP	**<0.081**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	tm	9/18/2000	*995201*	
Lead - Furnace AA	**<1.5**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	tm	9/13/2000	*995160*	
Manganese - ICAP	**<0.006**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	tm	9/18/2000	*995201*	
Mercury CV	**<0.0002**	**mg/l**	*J* **RJ**	0.0002	0.0006	245.1	tm	9/15/2000	*995185*	
Nickel - ICAP	**<0.011**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	tm	9/18/2000	*995201*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000656**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/15/2000	*995187*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/18/2000	*995201*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2	tm	9/11/2000	*995152*	
Zinc - ICAP	**<0.014**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	9/18/2000	*995201*	
Nova Sample Number: 21145										
Client ID: **000911WA02P**								Collection: 9/11/2000		Time: 08:04
								Sample Description:		
pH (water)	**9.6**	**s.u.**	#			150.1	tn	9/11/2000	*995141*	
Nova Sample Number: 21146										
Client ID: **000911WA03P**								Collection: 9/11/2000		Time: 08:02
								Sample Description:		
pH (water)	**11.5**	**s.u.**	#			150.1	tn	9/11/2000	*995141*	
Nova Sample Number: 21147										
Client ID: **000911WA05P**								Collection: 9/11/2000		Time: 07:55
								Sample Description:		
pH (water)	**8.7**	**s.u.**	#			150.1	tn	9/11/2000	*995141*	
Nova Sample Number: 21151										
Client ID: **000911WA09P**								Collection: 9/11/2000		Time: 09:03
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/12/2000	*995194*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2		9/18/2000	*995193*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/18/2000	*995192*	
pH (water)	**7.9**	**s.u.**	#			150.1	tn	9/11/2000	*995141*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000656**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

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

Approved By: _____ **Date:** 9 30 P

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.

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ORGANIC REPORT

WDNR# 241340550

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

BATCH NUMBER: **20000686**
DATE REPORTED: 20-Sep-00
DATE RECEIVED: 18-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: **21271**				QC Prep Batch Number:	995226		*Sample analyzed within*	*1*	*Day(s) from collection.*	
Client ID: **000918WA01P**	Sample Description:						*Collection:*	*9/18/2000*	*Time:*	*09:25*
1,1,1,2-Tetrachloroethane	< 2.2	**ug/l**	2.2	7	ns	10		8260	cps	9/19/2000
1,1,1-Trichloroethane	143	**ug/l**	3.1	9.9	40	10		8260	cps	9/19/2000
1,1,2,2-Tetrachloroethane	< 4.4	**ug/l**	4.4	14	0.02	10		8260	cps	9/19/2000
1,1,2-Trichloroethane	< 4.4	**ug/l**	4.4	14	0.5	10		8260	cps	9/19/2000
1,1-Dichloroethane	23	**ug/l**	3.2	10	85	10		8260	cps	9/19/2000
1,1-Dichloroethene	11	**ug/l**	3.4	11	0.7	10		8260	cps	9/19/2000
1,1-Dichloropropene	< 4.3	**ug/l**	4.3	14	ns	10		8260	cps	9/19/2000
1,2,3-Trichlorobenzene	< 5	**ug/l**	5	16	ns	10		8260	cps	9/19/2000
1,2,3-Trichloropropane	< 5.1	**ug/l**	5.1	16	ns	10		8260	cps	9/19/2000
1,2,4-Trichlorobenzene	< 4.7	**ug/l**	4.7	15	14	10		8260	cps	9/19/2000
1,2,4-Trimethylbenzene	< 3	**ug/l**	3	9.5	ns	10		8260	cps	9/19/2000
1,2-Dibromoethane	< 4.6	**ug/l**	4.6	15	0.005	10		8260	cps	9/19/2000
1,2-Dichlorobenzene	< 3.4	**ug/l**	3.4	11	60	10		8260	cps	9/19/2000
1,2-Dichloroethane	< 3.5	**ug/l**	3.5	11	0.5	10		8260	cps	9/19/2000
1,2-Dichloropropane	< 3.2	**ug/l**	3.2	10	0.5	10		8260	cps	9/19/2000
1,3,5-Trimethylbenzene	< 3.4	**ug/l**	3.4	11	ns	10		8260	cps	9/19/2000
1,3-Dichlorobenzene	< 2.6	**ug/l**	2.6	8.3	125	10		8260	cps	9/19/2000
1,3-Dichloropropane	< 3.9	**ug/l**	3.9	12	ns	10		8260	cps	9/19/2000
1,4-Dichlorobenzene	< 3.6	**ug/l**	3.6	11	15	10		8260	cps	9/19/2000
12Dibromo-3-chloropropan	< 3.3	**ug/l**	3.3	10	0.02	10		8260	cps	9/19/2000
2,2-Dichloropropane	< 2.7	**ug/l**	2.7	8.6	ns	10		8260	cps	9/19/2000
2-Butanone (MEK)	< 14	**ug/l**	14	44	90	10		8260	cps	9/19/2000
2-Chloroethyl Vinyl Ether	< 7	**ug/l**	7	22	ns	10		8260	cps	9/19/2000
2-Chlorotoluene	< 3	**ug/l**	3	9.5	ns	10		8260	cps	9/19/2000
4-Chlorotoluene	< 2.6	**ug/l**	2.6	8.3	ns	10		8260	cps	9/19/2000
4-Methyl-2-Pentanone	< 8	**ug/l**	8	25	50	10		8260	cps	9/19/2000
Acetone	< 16	**ug/l**	16	49	200	10		8260	cps	9/19/2000
Benzene	< 2.7	**ug/l**	2.7	8.6	0.5	10		8260	cps	9/19/2000
Bromobenzene	< 3.1	**ug/l**	3.1	9.9	ns	10		8260	cps	9/19/2000
Bromochloromethane	< 3.7	**ug/l**	3.7	12	ns	10		8260	cps	9/19/2000
Bromodichloromethane	< 3.8	**ug/l**	3.8	12	0.06	10		8260	cps	9/19/2000
Bromoform	< 3.9	**ug/l**	3.9	12	0.44	10		8260	cps	9/19/2000
Bromomethane	< 6.5	**ug/l**	6.5	21	1	10		8260	cps	9/19/2000
Carbon tetrachloride	< 2.7	**ug/l**	2.7	8.6	0.5	10		8260	cps	9/19/2000
Chlorobenzene	< 2.6	**ug/l**	2.6	8.3	20	10		8260	cps	9/19/2000
Chloroethane	< 6.4	**ug/l**	6.4	20	80	10		8260	cps	9/19/2000
Chloroform	< 2.4	**ug/l**	2.4	7.6	0.6	10		8260	cps	9/19/2000
Chloromethane	< 4.9	**ug/l**	4.9	16	0.3	10		8260	cps	9/19/2000
cis-1,2-Dichloroethene	39	**ug/l**	2.7	8.6	7	10		8260	cps	9/19/2000
cis-1,3-Dichloropropene	< 3.7	**ug/l**	3.7	12	0.02	10		8260	cps	9/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000686**
DATE REPORTED: 20-Sep-00
DATE RECEIVED: 18-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 4.1	ug/l	4.1	13	6	10		8260	cps	9/19/2000
Dibromomethane	< 4.6	ug/l	4.6	15	ns	10		8260	cps	9/19/2000
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	200	10		8260	cps	9/19/2000
Ethylbenzene	< 2.5	ug/l	2.5	8	140	10		8260	cps	9/19/2000
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	ns	10		8260	cps	9/19/2000
Isopropyl Ether	< 3	ug/l	3	9.5	ns	10		8260	cps	9/19/2000
Isopropylbenzene	< 3.3	ug/l	3.3	10	ns	10		8260	cps	9/19/2000
m&p-xylene	< 5.3	ug/l	5.3	17	124	10		8260	cps	9/19/2000
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	12	10		8260	cps	9/19/2000
Methylene chloride	< 3	ug/l	3	9.5	0.5	10		8260	cps	9/19/2000
n-Butylbenzene	< 3.6	ug/l	3.6	11	ns	10		8260	cps	9/19/2000
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	ns	10		8260	cps	9/19/2000
Naphthalene	< 7.5	ug/l	7.5	24	8	10		8260	cps	9/19/2000
o-xylene	< 2.5	ug/l	2.5	8	124	10		8260	cps	9/19/2000
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	ns	10		8260	cps	9/19/2000
sec-Butylbenzene	< 3.4	ug/l	3.4	11	ns	10		8260	cps	9/19/2000
Styrene	< 2.5	ug/l	2.5	8	10	10		8260	cps	9/19/2000
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	9/19/2000
Tetrachloroethene	5.7	ug/l	3.1	9.9	0.5	10	*J*	8260	cps	9/19/2000
Toluene	< 2.9	ug/l	2.9	9.2	68.6	10		8260	cps	9/19/2000
trans-1,2-Dichloroethene	14	ug/l	2.5	8	20	10		8260	cps	9/19/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	9/19/2000
Trichloroethene	465	ug/l	3.4	11	0.5	10		8260	cps	9/19/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	9/19/2000
Vinyl chloride	< 2	ug/l	2	6.4	0.02	10		8260	cps	9/19/2000

Sample Number: **21273** QC Prep Batch Number: 995226 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000918WA09P** Sample Description: *Collection: 9/18/2000 Time: 09:35*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/19/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/19/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000686**
DATE REPORTED: 20-Sep-00
DATE RECEIVED: 18-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/19/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/19/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/19/2000
Chloroform	0.37	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/19/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/19/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/19/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000686**
DATE REPORTED: 20-Sep-00
DATE RECEIVED: 18-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/19/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/19/2000

Sample Number: **21277** QC Prep Batch Number: 995226 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000918WA07P** Sample Description: *Collection: 9/18/2000 Time: 09:30*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/19/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/19/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/19/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/19/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000686**
DATE REPORTED: 20-Sep-00
DATE RECEIVED: 18-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/19/2000
Chloroform	0.33	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/19/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/19/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/19/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/19/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/19/2000

Sample Number: **21278** QC Prep Batch Number: 995226 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000918WA08P** Sample Description: *Collection: 9/18/2000 Time: 09:33*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/19/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000686**
DATE REPORTED: 20-Sep-00
DATE RECEIVED: 18-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/19/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/19/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/19/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/19/2000
Chloroform	0.38	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/19/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000686**
DATE REPORTED: 20-Sep-00
DATE RECEIVED: 18-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/19/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/19/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/19/2000

Sample Number: 21279 QC Prep Batch Number: 995226 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 9/18/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/19/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/19/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/19/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/19/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/19/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/19/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/19/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/19/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/19/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/19/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/19/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/19/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/19/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/19/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/19/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/19/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/19/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/19/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/19/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/19/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000686**
DATE REPORTED: 20-Sep-00
DATE RECEIVED: 18-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/19/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/19/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/19/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/19/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/19/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/19/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/19/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/19/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/19/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/19/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/19/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/19/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/19/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/19/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/19/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/19/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/19/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/19/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/19/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/19/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/19/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/19/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/19/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/19/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/19/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/19/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/19/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/19/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/19/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/19/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/19/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/19/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/19/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/19/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/19/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/19/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/19/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/19/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/19/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/19/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/19/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000686**
DATE REPORTED:	20-Sep-00
DATE RECEIVED:	18-Sep-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal

Approved By: _____ **Date:** 9/20/00

James Chang, Ph.D. , Lab Director

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

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

APL Environmental
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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000686
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 18-Sep-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: 21271
Client ID: **000918WA01P**
Collection: 9/18/2000 Time: 09:25
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	tm	9/22/2000	995255	
Barium - ICAP	0.091	mg/l	RJ	0.007	0.02	200.7	tm	9/19/2000	995221	
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	tm	9/19/2000	995254	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	9/19/2000	995221	
Copper- ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	9/19/2000	995221	
Iron - ICAP	0.738	mg/l	RJ	0.081	0.26	200.7	tm	9/19/2000	995221	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	9/22/2000	995256	
Manganese - ICAP	0.132	mg/l	RJ	0.006	0.02	200.7	tm	9/19/2000	995221	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	9/22/2000	995253	
Nickel - ICAP	0.023	mg/l	J RJ	0.011	0.03	200.7	tm	9/19/2000	995221	
Selenium - Furnace AA	6.33	ug/l	J RJ	4.8	15	270.2	tm	9/22/2000	995270	
Silver - ICAP	<0.004	mg/l	J RJ	0.004	0.01	200.7	tm	9/19/2000	995221	
Thallium - Furnace AA	<1.7	ug/l	J RJ	1.7	5.4	279.2	tm	9/22/2000	995257	
Zinc - ICAP	0.033	mg/l	J RJ	0.014	0.04	200.7	tm	9/19/2000	995221	
Chromium, Hexavalent	<0.0042	mg/l	J	0.004	0.01	SM 3500D	12805	9/19/2000	995240	
Cyanide, Amenable	<0.006	mg/l	J	0.006	0.02	335.2	dmd	9/21/2000	995237	
Cyanide, Total	0.018	mg/l		0.006	0.02	335.2	dmd	9/21/2000	995239	
pH (water)	7.1	s.u.	#			150.1	tn	9/19/2000	995215	

Nova Sample Number: 21272
Client ID: **000918WA09R**
Collection: 9/18/2000 Time: 09:40
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	tm	9/22/2000	995255	
Barium - ICAP	0.011	mg/l	J RJ	0.007	0.02	200.7	tm	9/19/2000	995221	
Cadmium - Furnace AA	<0.4	ug/l	J TTR	0.4	1.3	213.2	tm	9/19/2000	995254	
Chromium, Total - ICAP	<0.008	mg/l	J RJ	0.008	0.03	200.7	tm	9/19/2000	995221	
Copper- ICAP	0.006	mg/l	J RJ	0.006	0.02	200.7	tm	9/19/2000	995221	
Iron - ICAP	<0.049	mg/l	J RJ	0.081	0.26	200.7	tm	9/19/2000	995221	
Lead - Furnace AA	<1.5	ug/l	J RJ	1.5	4.8	239.2	tm	9/22/2000	995256	
Manganese - ICAP	<0.006	mg/l	J RJ	0.006	0.02	200.7	tm	9/19/2000	995221	
Mercury CV	<0.0002	mg/l	J RJ	0.0002	0.0006	245.1	tm	9/22/2000	995253	
Nickel - ICAP	<0.011	mg/l	J RJ	0.011	0.03	200.7	tm	9/19/2000	995221	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000686**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 18-Sep-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	**5.872**	**ug/l**	*J* **RJ**	4.8	15	270.2	tm	9/22/2000	*995270*	
Silver - ICAP	**<0.004**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	tm	9/19/2000	*995221*	
Thallium - Furnace AA	**<1.7**	**ug/l**	*J* **RJ**	1.7	5.4	279.2	tm	9/22/2000	*995257*	
Zinc - ICAP	**0.021**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	tm	9/19/2000	*995221*	
Nova Sample Number: 21273										
Client ID: **000918WA09P**								Collection: 9/18/2000		Time: 09:35
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	*J*	0.004	0.01	SM 3500D	12805	9/19/2000	*995240*	
Cyanide, Amenable	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/21/2000	*995237*	
Cyanide, Total	**<0.006**	**mg/l**	*J*	0.006	0.02	335.2	dmd	9/21/2000	*995239*	
pH (water)	**7.6**	**s.u.**	#			150.1	tn	9/19/2000	*995215*	
Nova Sample Number: 21274										
Client ID: **000918WA02P**								Collection: 9/18/2000		Time: 09:42
								Sample Description:		
pH (water)	**9.3**	**s.u.**	#			150.1	tn	9/19/2000	*995215*	
Nova Sample Number: 21275										
Client ID: **000918WA03P**								Collection: 9/18/2000		Time: 09:44
								Sample Description:		
pH (water)	**11.2**	**s.u.**	#			150.1	tn	9/19/2000	*995215*	
Nova Sample Number: 21276										
Client ID: **000918WA05P**								Collection: 9/18/2000		Time: 09:48
								Sample Description:		
pH (water)	**7.7**	**s.u.**	#			150.1	tn	9/19/2000	*995215*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000686**
DATE REPORTED: 02-Oct-00
DATE RECEIVED: 18-Sep-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:** 9/30/9

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.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000710**
DATE REPORTED: 29-Sep-00
DATE RECEIVED: 25-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: **21426**		QC Prep Batch Number:	995297		*Sample analyzed within*	*1*	*Day(s) from collection.*			
Client ID: **000925WA01P**	Sample Description:				*Collection:*	*9/25/2000*	*Time:*	*09:20*		
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/26/2000
1,1,1-Trichloroethane	195	ug/l	0.31	0.99	40	1		8260	cps	9/26/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/26/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/26/2000
1,1-Dichloroethane	29	ug/l	0.32	1	85	1		8260	cps	9/26/2000
1,1-Dichloroethene	14	ug/l	0.34	1.1	0.7	1		8260	cps	9/26/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/26/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/26/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/26/2000
1,2,4-Trichlorobenzene	0.63	ug/l	0.47	1.5	14	1	*J*	8260	cps	9/26/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/26/2000
1,2-Dichlorobenzene	0.51	ug/l	0.34	1.1	60	1	*J*	8260	cps	9/26/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/26/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/26/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/26/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/26/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/26/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/26/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/26/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/26/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/26/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/26/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/26/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/26/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/26/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/26/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/26/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/26/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Chlorobenzene	1.8	ug/l	0.26	0.83	20	1		8260	cps	9/26/2000
Chloroethane	18	ug/l	0.64	2	80	1		8260	cps	9/26/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/26/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/26/2000
cis-1,2-Dichloroethene	44	ug/l	0.27	0.86	7	1		8260	cps	9/26/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/26/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000710**
DATE REPORTED: 29-Sep-00
DATE RECEIVED: 25-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/26/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/26/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/26/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/26/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/26/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/26/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/26/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/26/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/26/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/26/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/26/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/26/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/26/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/26/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Tetrachloroethene	4.2	ug/l	0.31	0.99	0.5	1		8260	cps	9/26/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/26/2000
trans-1,2-Dichloroethene	13	ug/l	0.25	0.8	20	1		8260	cps	9/26/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/26/2000
Trichloroethene	585	ug/l	0.34	1.1	0.5	1		8260	cps	9/26/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/26/2000
Vinyl chloride	1.1	ug/l	0.2	0.64	0.02	1		8260	cps	9/26/2000

Sample Number: **21431** QC Prep Batch Number: 995297 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000925WA07P** Sample Description: *Collection: 9/25/2000 Time: 09:40*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/26/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/26/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/26/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/26/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/26/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/26/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/26/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/26/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/26/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/26/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/26/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/26/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/26/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000710**
DATE REPORTED: 29-Sep-00
DATE RECEIVED: 25-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/26/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/26/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/26/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/26/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/26/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/26/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/26/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/26/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/26/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/26/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/26/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/26/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/26/2000
Bromoform	0.44	ug/l	0.39	1.2	0.44	1	J	8260	cps	9/26/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/26/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/26/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/26/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/26/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/26/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/26/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/26/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/26/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/26/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/26/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/26/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/26/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/26/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/26/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/26/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/26/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/26/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/26/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/26/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/26/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/26/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000710**
DATE REPORTED: 29-Sep-00
DATE RECEIVED: 25-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/26/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/26/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/26/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/26/2000
Trichloroethene	0.53	ug/l	0.34	1.1	0.5	1	J	8260	cps	9/26/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/26/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/26/2000

Sample Number: **21432** QC Prep Batch Number: 995297 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000925WA08P** Sample Description: *Collection: 9/25/2000 Time: 09:43*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/26/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/26/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/26/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/26/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/26/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/26/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/26/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/26/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/26/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/26/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/26/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/26/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/26/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/26/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/26/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/26/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/26/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/26/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/26/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/26/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/26/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/26/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/26/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/26/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/26/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/26/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000710**
DATE REPORTED: 29-Sep-00
DATE RECEIVED: 25-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/26/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/26/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/26/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/26/2000
Chloroform	0.45	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/26/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/26/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/26/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/26/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/26/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/26/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/26/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/26/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/26/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/26/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/26/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/26/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/26/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/26/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/26/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/26/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/26/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/26/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/26/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/26/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/26/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/26/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/26/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/26/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/26/2000

Sample Number: **21433** QC Prep Batch Number: 995297 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 9/25/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/26/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/26/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/26/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/26/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/26/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000710**
DATE REPORTED: 29-Sep-00
DATE RECEIVED: 25-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/26/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/26/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/26/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/26/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/26/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/26/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/26/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/26/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/26/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/26/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/26/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/26/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/26/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/26/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/26/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/26/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/26/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/26/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/26/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/26/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/26/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/26/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/26/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/26/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/26/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/26/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/26/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/26/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/26/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/26/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/26/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/26/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/26/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/26/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/26/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/26/2000

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000710**
DATE REPORTED: 29-Sep-00
DATE RECEIVED: 25-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/26/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/26/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/26/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/26/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/26/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/26/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/26/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/26/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/26/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/26/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/26/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/26/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/26/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/26/2000

Sample Number: **21434** QC Prep Batch Number: 995297 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000925WA09P** Sample Description: *Collection: 9/25/2000 Time: 09:25*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/26/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/26/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/26/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/26/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/26/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/26/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/26/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/26/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/26/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/26/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/26/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/26/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/26/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/26/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/26/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/26/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/26/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/26/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/26/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/26/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000710**
DATE REPORTED:	29-Sep-00
DATE RECEIVED:	25-Sep-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/26/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/26/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/26/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/26/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/26/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/26/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/26/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/26/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/26/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/26/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/26/2000
Chloroform	0.45	ug/l	0.24	0.76	0.6	1	J	8260	cps	9/26/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/26/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/26/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/26/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/26/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/26/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/26/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/26/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/26/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/26/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/26/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/26/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/26/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/26/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/26/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/26/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/26/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/26/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/26/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/26/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/26/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/26/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/26/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/26/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/26/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/26/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/26/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/26/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000710**
DATE REPORTED:	29-Sep-00
DATE RECEIVED:	25-Sep-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal

Approved By: _____ **Date:** 10/12/00

James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000710**
DATE REPORTED: 12-Oct-00
DATE RECEIVED: 25-Sep-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: 21426
Client ID: **000925WA01P**
Collection: 9/25/2000 Time: 09:20
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	tm	10/2/2000	*995315*	
Barium - ICAP	**0.12**	**mg/l**		**RJ**	0.007	0.02	200.7	tm	9/26/2000	*995298*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	tm	10/2/2000	*995313*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	9/26/2000	*995298*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	9/26/2000	*995298*	
Iron - ICAP	**1.1**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	9/26/2000	*995298*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	tm	10/2/2000	*995314*	
Manganese - ICAP	**0.16**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	9/26/2000	*995298*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	tm	9/29/2000	*995306*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	tm	9/26/2000	*995298*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	tm	9/22/2000	*995270*	
Silver - ICAP	**0.004**	**mg/l**	*J*	**RJ**	0.004	0.01	200.7	tm	9/26/2000	*995298*	
Thallium - Furnace AA	**<1.7**	**ug/l**		**RJ**	1.7	5.4	279.2	tm	10/3/2000	*995361*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	tm	9/26/2000	*995298*	
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D		9/27/2000		
Cyanide, Amenable	**<0.006**	**mg/l**			0.006	0.02	335.2	dmd	9/27/2000	*995286*	
Cyanide, Total	**0.02**	**mg/l**			0.006	0.02	335.2	dmd	9/27/2000	*995283*	
pH (water)	**7.1**	**s.u.**	#				150.1	tn	9/29/2000	*995303*	

Nova Sample Number: 21427
Client ID: **000925WA09R**
Collection: 9/25/2000 Time: 09:28
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	tm	10/2/2000	*995315*	
Barium - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.007	0.02	200.7	tm	9/26/2000	*995298*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	tm	10/2/2000	*995313*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	tm	9/26/2000	*995298*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	9/26/2000	*995298*	
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	tm	9/26/2000	*995298*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	tm	10/2/2000	*995314*	
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	tm	9/26/2000	*995298*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	tm	9/29/2000	*995306*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	tm	9/26/2000	*995298*	

APL INC.

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Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**5.4**	**ug/l**	***J* RJ**	4.8	15	270.2	tm	9/22/2000	*995270*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	tm	9/26/2000	*995298*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	tm	10/3/2000	*995361*	
Zinc - ICAP	**0.01**	**mg/l**	***J* RJ**	0.014	0.04	200.7	tm	9/26/2000	*995298*	
Nova Sample Number: 21428										
Client ID: **000925WA02P**								Collection: 9/25/2000		Time: 09:32
								Sample Description:		
pH (water)	**9.4**	**s.u.**	**#**			150.1	tn	9/29/2000	*995303*	
Nova Sample Number: 21429										
Client ID: **000925WA03P**								Collection: 9/25/2000		Time: 09:34
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	tn	9/29/2000	*995303*	
Nova Sample Number: 21430										
Client ID: **000925WA05P**								Collection: 9/25/2000		Time: 09:38
								Sample Description:		
pH (water)	**8.8**	**s.u.**	**#**			150.1	tn	9/29/2000	*995303*	
Nova Sample Number: 21434										
Client ID: **000925WA09P**								Collection: 9/25/2000		Time: 09:25
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D		9/27/2000		
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	9/27/2000	*995286*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	9/27/2000	*995283*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	tn	9/29/2000	*995303*	

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PROJECT NAME:	OGTP

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

Approved By: _____ **Date:** 10/12/0

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.