MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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October 15, 2001

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for September, 2001. The OEGTP is located at the site of the former Oconomowoc Electroplating Company, in Ashippun, WI.

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

1.1 Site Background Review

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

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

1.2 Project Objectives

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

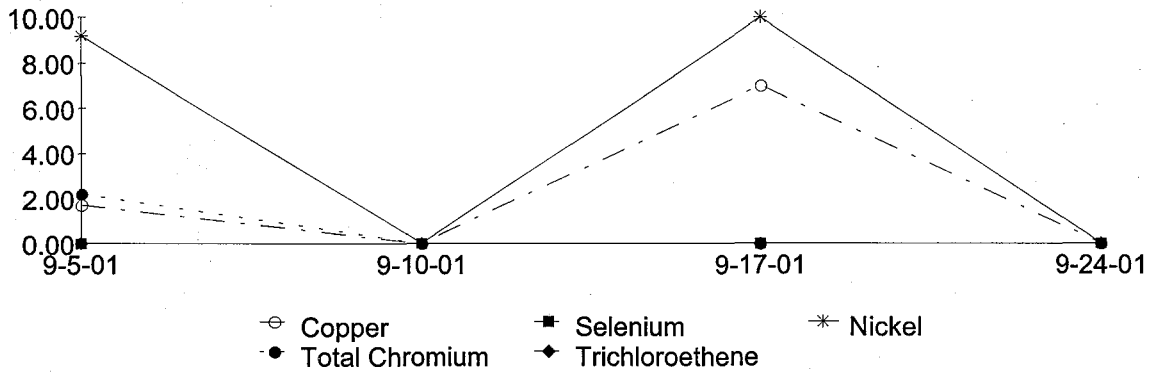
1.3 Effluent Monitoring

Weekly monitoring was conducted on September 5, 10, 17, and 24. The weekly samples for September were tested by APL, Inc. The monthly samples that were taken on September 4, 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 no exceedences of the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



1.5 Monitoring Well Sampling

Another round of Monitoring Well sampling was conducted on September 5 to 11, 2001. 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

The results of the effluent monitoring tests for the samples taken in September, 2001, showed no exceedences of the WDNR effluent discharge permit.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down three times for a total of 63.83 hours in September, 2001. The shut downs were due to the Failure of DAS-500 Blower Motor, to clean RMT-301 and FT-311, and due to High Effluent pH. Table 1 shows the summary of the plant down times for the month of September, 2001.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
9-2 to 4-01	51	Shut Down due to DAS-500 Failure
9-14-01	0.83	Shut Down to Clean RMT-301 & FT-311
9-25 to 26-01	12	Shut Down due to High Effluent pH
TOTAL	**63.83**	

3.1 Shut Down due to DAS-500 Failure

On September 2, the treatment plant was discovered shut down upon the arrival of the week end operator. After an inspection of the treatment plant, it was determined that the cause of the shut down was the failure of the Diffused Air Stripper's (DAS-500) blower motor. The week end operator could not get the blower motor to operate. The Treatment System Feed Pump (TFP-110) could not be restarted either. The week end operator rotated TFP-110 out of line but could not keep the stand-by Treatment System Feed Pump (TFP-111) running, except in the

manual mode. The treatment system was left shut down until the beginning of the work week. On September 4, the treatment plant supervisor discovered that the treatment plant was shut down upon his arrival for work. The treatment plant had been shut down, automatically, at 2:30 A.M. on September 2 and was restarted at 5:30 A.M. on September 4. DAS-500's blower could not be restarted. All of it's fuses were replaced and the restart procedures were followed but it would not restart. TFP-111 was put in line and a lockout reset was performed on TFP-110 and TFP-111. The treatment system was restarted without DAS-500. Pieper Electric was notified and they sent a technician to assist in the trouble-shooting of the blower motor. A message was left with Paul Kozol, WDNR, to get permission to operate the treatment system with only the carbon filters in line for VOC removal (in case that Pieper Electric could not get the blower motor restarted). Steve Brossart, USACE, was informed that Pieper Electric was requested to assist with the trouble shooting of the DAS-500 blower motor. Pieper Electric arrived and discovered that there was a breaker inside of the Control Panel that was tripped. It was reset and the blower was restarted. Pieper Electric inspected the blower motor's wiring and determined that the reason for the breaker tripping was that the blower motor was failing. It was requested that he submit a quote for a replacement motor so that it would be on hand when the motor fails, again. Total down time was 51 hours. APL Inc., WDNR, and USACE were notified.

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

On September 14, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-120). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer were cleaned in RMT-301 and the walls, mixer, and floor were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-120 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 0.83 hours. APL Inc., WDNR, and USACE were notified.

3.3 Shut Down to due to High Effluent pH

On September 25, the treatment plant was discovered shut down upon the arrival of the operator. After a quick inspection, it was discovered that the cause of the shut down was due to a high effluent pH. The Extraction Wells (EW-1/2/3/4/5) were shut off and the Effluent Holding Tank (EHT-700) was recirculated to the Equalization Tank (EQT-100). The Treatment System Feed Pump (TFP-110) was reactivated in the Manual mode and the treatment plant was restarted. The flow through the plant was increased, acid was directed to the EHT-700, all Sulfuric Acid Pumps (SAP-751/752/753) were activated, and the Supernatant Transfer Pump was deactivated. The drain valves from the Press Filtrate Holding Tank (PFT840) were closed. After the pH in the metals package returned to normal, SAP-751 was shut off, acid to EHT-700 was closed, and the acid from SAP-753 was reduced. The Supernatant Transfer Pump was reactivated and the valves from PFT-840 were reopened. After the pH's throughout the treatment plant returned to normal, SAP-752's stroke length was reduced to 50% and SAP-753's stroke length was reduced to 70%. At 9:00 A.M., the treatment plant was put back into automatic operation mode. At 11:00 A.M., the EW's were reactivated. Total down time was 12 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 4 times during the month of September, 2001. It was filled and emptied on September 12, 18, 21, and 28. The dewatered sludge is sampled 1 time during per year 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 January 22. A new hopper was set up on September 10, 2001. The first filter press load of dewatered sludge that was added to the new hopper occurred on September 12. The dewatered sludge hopper removal date is December 11, 2001. There were 4 filter press loads of dewatered sludge in the new hopper at the end of September, 2001.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on September 5, 10, 17, and 24 of 2001. Another round of Monitoring Wells' sampling was conducted in September 2001. 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

conducted on a quarterly basis. The laboratory results of these samples showed that all were within the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96).* See Chart 1, Section 1.4 for *Important Indicator Parameters.*

During the month of September, 2001, the plant was shut down three times for a total of 63.83 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, 2001.

The Filter Press was filled and emptied 4 times during the month of September, 2001. A new hopper was set up on September 10. The hopper has 4 Filter Press fillings in it at the end of September, 2001.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL				Date:	(ug/l) September 2001	
Parameter	MW01DP	MW02SP	MW03DP	MW04DP	MW09SP	
pH	7.41	DRY	7.67	7.37	7.11	
Conductivity	596	NT	868	810	748	uMHOS/CM
Arsenic	NT	NT	<5.6/<5.6	NT	<5.6/<5.6	
Barium	NT	NT	120/120	NT	330/190	
Cadmium	NT	NT	<0.4/<0.4	NT	<0.4/<0.4	
Cadmium Total Recoverable	NT	NT	<0.4/<0.4	NT	<0.4/<0.4	
Chromium +6	NT	NT	<4.2	NT	<4.2	
Chromium Total	NT	NT	<8/10	NT	80/<8	
Copper	NT	NT	<6/<6	NT	20/<6	
Iron	NT	NT	1000/430	NT	19,000/360	
Lead	NT	NT	<1.5/<1.5	NT	<1.5/<1.5	
Manganese	NT	NT	1400/30	NT	450/90	
Mercury	NT	NT	<0.2/<0.2	NT	<0.2/<0.2	
Nickel	NT	NT	70/<11	NT	20/<11	
Selenium	NT	NT	<4.8/<4.8	NT	<4.8/<4.8	
Silver	NT	NT	<4/<4	NT	<4/<4	
Thallium	NT	NT	<1.3/<1.3	NT	<1.3/<1.3	
Zinc	NT	NT	90/30	NT	30/<14	
Cyanide	NT	NT	<6	NT	<6	
Cyanide Free	NT	NT	<6	NT	<6	
1,1-Dichloroethane	NT	NT	<0.32	NT	<0.32	
1,2-Dichloroethane	NT	NT	<0.35	NT	<0.35	
1,1-Dichloroethene	NT	NT	<0.34	NT	<0.34	
1,2-Dichloroethene Cis	NT	NT	<0.27	NT	<0.27	
1,2-Dichloroethene Trans	NT	NT	<0.25	NT	<0.25	
Ethylbenzene	NT	NT	<0.25	NT	<0.25	
Methylene Chloride	NT	NT	<0.3	NT	<0.3	
Tetrachloroethene	NT	NT	<0.31	NT	<0.31	
Toluene	NT	NT	<0.29	NT	<0.29	
1,1,1-Trichloroethane	NT	NT	<0.31	NT	<0.31	
1,1,2-Trichloroethane	NT	NT	<0.44	NT	<0.44	
TCE	NT	NT	<0.34	NT	<0.34	
Vinyl Chloride	NT	NT	<0.2	NT	<0.2	
Xylene Total	NT	NT	<0.53	NT	<0.53	
Temperature (C)	16.3	NT	13.7	14.1	15.9	

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) September 2001	
Parameter	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP	
pH	7.67	DRY	DRY	7.23	DRY	COVERED	
Conductivity	858	NT	NT	881	NT	NT	uMHOS/CM
Arsenic	<5.6/<5.6	NT	NT	<5.6/<5.6	NT	NT	
Barium	130/140	NT	NT	190/120	NT	NT	
Cadmium	<0.4/<0.4	NT	NT	<0.4/<0.4	NT	NT	
Cadmium Total Recoverable	<0.4/<0.4	NT	NT	<0.4/<0.4	NT	NT	
Chromium +6	7	NT	NT	<4.2	NT	NT	
Chromium Total	<8/<8	NT	NT	70/<8	NT	NT	
Copper	<6/<6	NT	NT	<6/<6	NT	NT	
Iron	940/330	NT	NT	8700/670	NT	NT	
Lead	<1.5/<1.5	NT	NT	<1.5/1.5	NT	NT	
Manganese	30/30	NT	NT	200/90	NT	NT	
Mercury	<0.2/<0.2	NT	NT	<0.2/<0.2	NT	NT	
Nickel	<11/<11	NT	NT	30/10	NT	NT	
Selenium	<4.8/<4.8	NT	NT	<4.8/<4.8	NT	NT	
Silver	<4/<4	NT	NT	<4/<4	NT	NT	
Thallium	<1.3/<1.3	NT	NT	<1.3/<1.3	NT	NT	
Zinc	20/20	NT	NT	30/<14	NT	NT	
Cyanide	<6	NT	NT	<6	NT	NT	
Cyanide Free	<6	NT	NT	<6	NT	NT	
1,1-Dichloroethane	<0.32	NT	NT	<0.32	NT	NT	
1,2-Dichloroethane	<0.35	NT	NT	<0.35	NT	NT	
1,1-Dichloroethene	<0.34	NT	NT	<0.34	NT	NT	
1,2-Dichloroethene Cis	<0.27	NT	NT	<0.27	NT	NT	
1,2-Dichloroethene Trans	<0.25	NT	NT	<0.25	NT	NT	
Ethylbenzene	<0.25	NT	NT	<0.25	NT	NT	
Methylene Chloride	<0.3	NT	NT	<0.3	NT	NT	
Tetrachloroethene	<0.31	NT	NT	<0.31	NT	NT	
Toluene	<0.29	NT	NT	<0.29	NT	NT	
1,1,1-Trichloroethane	<0.31	NT	NT	<0.31	NT	NT	
1,1,2-Trichloroethane	<0.44	NT	NT	<0.44	NT	NT	
TCE	<0.34	NT	NT	8300	NT	NT	
Vinyl Chloride	<0.2	NT	NT	<0.2	NT	NT	
Xylene Total	<0.53	NT	NT	<0.53	NT	NT	
Temperature (C)	13.9	NT	NT	15.2	NT	NT	

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) September 2001	
Parameter	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP	
pH	7.84	7.98	6.88	7.07	6.81	6.99	
Conductivity	994	1052	834	728	945	1234	uMHOS/CM
Arsenic	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6	6.6/7.4	<5.6/<5.6	<5.6/<5.6	
Barium	110/70	170/120	100/40	40/30	120/100	140/30	
Cadmium	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	<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	<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	<8/200	10/<8	160/<8	<8/<8	<8/<8	30/<8	
Copper	<6/<6	920/6	20/<6	<6/<6	40/<6	20/<6	
Iron	150/600	5400/260	14,000/<81	<81/<81	150/100	57,000/5900	
Lead	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5	2/<1.5	<1.5/<1.5	<1.5/<1.5	
Manganese	20/20	110/30	250/20	40/50	230/180	1400/140	
Mercury	<0.2/<0.2	<0.2/<0.2	<0.2/<0.2	<0.2/<0.2	<0.2/<0.2	<0.2/<0.2	
Nickel	50/40	40/30	70/40	<11/<11	<11/<11	70/20	
Selenium	<4.8/<4.8	<4.8/<4.8	<4.8/<4.8	18/5.1	7.3/20	<4.8/<4.8	
Silver	<4/<4	<4/<4	<4/<4	<4/<4	<4/<4	<4/<4	
Thallium	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	
Zinc	30/20	40/20	60/20	30/<14	30/<14	90/<14	
Cyanide	<6	<6	<6	<6	<6	<6	
Cyanide Free	<6	<6	<6	<6	<6	<6	
1,1-Dichloroethane	<0.32	75	<0.32	<0.32	<0.32	<3.2	
1,2-Dichloroethane	<0.35	<3.5	<0.35	<0.35	<0.35	<3.5	
1,1-Dichloroethene	<0.34	27	<0.34	<0.34	<0.34	<3.4	
1,2-Dichloroethene Cis	<0.27	27	<0.27	<0.27	3.4	280	
1,2-Dichloroethene Trans	<0.25	16	<0.25	<0.25	0.42	3	
Ethylbenzene	<0.25	<2.5	<0.25	<0.25	<0.25	<2.5	
Methylene Chloride	<0.3	<3	<0.3	<0.3	<0.3	<3	
Tetrachloroethene	<0.31	<3.1	<0.31	<0.31	<0.31	<3.1	
Toluene	<0.29	<2.9	<0.29	<0.29	<0.29	<2.9	
1,1,1-Trichloroethane	<0.31	260	0.79	<0.31	<0.31	<3.1	
1,1,2-Trichloroethane	<0.44	<4.4	<0.44	<0.44	<0.44	<4.4	
TCE	<0.34	120	1.6	<0.34	27	<3.4	
Vinyl Chloride	<0.2	<2	<0.2	<0.2	<0.2	<2	
Xylene Total	<0.53	<5.3	<0.53	<0.53	<0.53	<5.3	
Temperature (C)	14.3	14.1	13	15.6	14.8	14.3	

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW01DP	MW01SP	MW02SP	MW03DP	MW04DP	MW04SP
July 11, 2001	5.65	6.58	DRY	8.86	NO KEY	NO KEY
July 17-20, 2001	6.26	7.08	DRY	9.29	8.59	8.29
August 03, 2001	15.94	6.66	DRY	9.46	9.27	8.31
September 4 & 7, 2001	7.69	6.77	DRY	9.59	9.89	8.41

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL		FEET	
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
January 5, 2001	6.74	5.85	4.52	4.41	DRY	COVERED
February 5, 2001	6.63	DRY	4.02	5.00	DRY	COVERED
March 1 & 5, 2001	5.40	DRY	3.02	3.49	DRY	COVERED
April 02, 2001	5.41	DRY	3.37	3.69	DRY	COVERED
May 1, 2001	6.12	DRY	3.58	4.09	DRY	COVERED
June 6-8, 2001	5.68	DRY	3.83	3.78	DRY	COVERED
July 03, 2001	6.19	DRY	3.9	4.36	DRY	COVERED
July 17-18, 2001	7.29	DRY	DRY	5.47	DRY	COVERED
August 03, 2001	7.32	DRY	DRY	5.11	DRY	COVERED
September 4-6, 2001	7.41	DRY	DRY	5.38	DRY	COVERED

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
January 5, 2001	4.86	3.69	5.89	5.41	10.65	3.03
February 5, 2001	4.65	3.54	5.55	4.52	10.47	2.45
March 1, 7, & 8, 2001	3.81	2.74	4.84	2.51	9.26	2.82
April 02, 2001	3.95	2.86	4.87	2.72	9.57	2.55
May 1, 2001	4.31	3.22	5.01	2.92	9.8	2.92
June 6-7, 2001	3.92	2.87	4.89	2.78	9.59	2.61
July 03, 2001	3.98	3.58	5.3	3.19	10.04	3.15
July 17-20, 2001	5.53	4.53	6.11	4.29	11.49	3.66
August 03, 2001	5.39	4.81	6.01	4.54	11.08	3.41
September 4-7, 2001	5.21	4.93	6.19	4.69	11.61	3.71

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW07P	MW08P	MW09SP			
July 11, 2001	NO KEY	NO KEY	6.64			
July 17 & 20, 2001	5.96	5.06	7.17			
August 03, 2001	5.19	4.98	6.69			
September 6-7, 2001	5.33	4.80	6.81			

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	9-05-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.2	11.6	N/A	N/A	7.5/7.6	Monitor	
TSS	2	NT	NT	NT	<1/6	Monitor	mg/l
Arsenic	<5.6	<5.6	<5.6	NT	<5.6/0.53	5	
Barium	80	<7	9	NT	<7/8.7	400	
Cadmium	<0.4	<0.4	<0.4	NT	<0.4/<0.19	0.5	
Cadmium Total Recoverable	<0.4	<0.4	<0.4	NT	<0.4/<0.69	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2/<12/<4.2	Monitor	
Chromium Total	<8	<8	<8	NT	<8/2.2	10	
Copper	<6	50	<6	NT	<6/1.7	Monitor	
Iron	720	<81	<81	NT	<81/<29	Monitor	
Lead	<1.5	<1.5	<1.5	NT	<1.5/<0.19	1.5	
Manganese	110	<6	<6	NT	<6/7.7	Monitor	
Mercury	<0.2	<0.2	<0.2	NT	<0.2/<0.14	0.2	
Nickel	10	<11	<11	NT	<11/9.2	20	
Selenium	<4.8	<4.8	<4.8	NT	<4.8/<0.97	10	
Silver	<4	<4	<4	NT	<4/<0.18	10	
Thallium	<1.3	<1.3	<1.3	NT	<1.3/<0.13	0.4	
Zinc	<14	30	<14	NT	<14/<5	Monitor	
Cyanide	20	20	NT	NT	20/<21/20	40	
Cyanide Amenable	<6	<6	NT	NT	<6/<21/<6	Monitor	
1,1-Dichloroethane	14	NT	<0.32	<0.32	<0.32/<0.61<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35/<0.54/<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34/<0.47/<0.34	0.7	
1,2-Dichloroethene Cis	34	NT	<0.27	<0.27	<0.27/<0.46<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	<0.25	<0.25/<0.64/<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25/<0.5/<0.25	140	
Methylene Chloride	<1.5	NT	<0.30	<0.30	<0.3/<0.38/<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31/<0.41/<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29/<0.4/<0.29	68	
1,1,1-Trichloroethane	122	NT	<0.31	<0.31	<0.31/<0.53/<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44/<0.47/<0.44	0.5	
TCE	438	NT	0.54	<0.34	<0.34/<0.49/<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2/<0.17/<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53/<1.2/<0.53	124	
COD	<3.4	NT	NT	NT	10/<2.9	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1/<0.097	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.3/1.3	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	<1/0.3	Monitor	mg/l

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

Third Result "Effluent Grab Sample" is an In-House QA Check.
Second Effluent Result Is from the USACE QA Sampling Comparison on Effluent with En Chem, Inc.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	9-10-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.6	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	160	NT	NT	NT	<7	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1500	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	210	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	40	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	20	NT	NT	NT	90	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	<16	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<18	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<17	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	<14	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<13	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<13	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<20	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<16	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<15	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	120	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<22	NT	<0.44	<0.44	<0.44	0.5	
TCE	420	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<10	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<27	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:	9-17-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.6	N/A	N/A	7.5	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	<7	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	8	NT	NT	NT	7	Monitor	
Iron	920	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	10	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	40	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	18	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<7	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<6.8	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	33	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	8.8	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<5	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<6	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<6.2	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<5.8	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	110	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<8.8	NT	<0.44	<0.44	<0.44	0.5	
TCE	400	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<4	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<11	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:	9-24-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.7	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	100	NT	NT	NT	10	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	970	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	140	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	10	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	12	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	34	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	6.2	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	<1.6	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	392	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

FLOW FROM EXTRACTION WELLS

YEAR: 2001				
MONTH: Sept. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,598,303.00	32,725.00	0.033	
2	2,631,028.00	0.00	0.000	SHUT DOWN
3	2,631,028.00	7,673.00	0.008	SHUT DOWN
4	2,638,701.00	31,927.00	0.032	SHUT DOWN
5	2,670,628.00	32,221.00	0.032	
6	2,702,849.00	31,569.00	0.032	
7	2,734,418.00	23,308.00	0.023	
8	2,757,726.00	31,396.00	0.031	
9	2,789,122.00	39,129.00	0.039	
10	2,828,251.00	25,021.00	0.025	
11	2,853,272.00	30,746.00	0.031	
12	2,884,018.00	29,606.00	0.030	
13	2,913,624.00	29,919.00	0.030	
14	2,943,543.00	19,577.00	0.020	
15	2,963,120.00	30,647.00	0.031	
16	2,993,767.00	37,828.00	0.038	
17	3,031,595.00	28,690.00	0.029	
18	3,060,285.00	27,650.00	0.028	
19	3,087,935.00	26,835.00	0.027	
20	3,114,770.00	36,491.00	0.036	SHUT DOWN
21	3,151,261.00	24,348.00	0.024	
22	3,175,609.00	37,869.00	0.038	
23	3,213,478.00	47,797.00	0.048	
24	3,261,275.00	35,345.00	0.035	
25	3,296,620.00	15,237.00	0.015	SHUT DOWN
26	3,311,857.00	36,474.00	0.036	SHUT DOWN
27	3,348,331.00	35,770.00	0.036	
28	3,384,101.00	25,105.00	0.025	
29	3,409,206.00	36,155.00	0.036	
30	3,445,361.00	47,076.00	0.047	
October 01	3,492,437.00			
		TOTAL	0.895	
		AVERAGE	0.030	

FLOW FROM EQT-100

YEAR: 2001				
MONTH: Sept. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	1,529,329.00	34,520.00	0.035	
2	1,563,849.00	340.00	0.000	SHUT DOWN
3	1,564,189.00	18,559.00	0.019	SHUT DOWN
4	1,582,748.00	47,551.00	0.048	SHUT DOWN
5	1,630,299.00	46,427.00	0.046	
6	1,676,726.00	42,154.00	0.042	
7	1,718,880.00	27,961.00	0.028	
8	1,746,841.00	38,479.00	0.038	
9	1,785,320.00	52,743.00	0.053	
10	1,838,063.00	33,907.00	0.034	
11	1,871,970.00	45,814.00	0.046	
12	1,917,784.00	41,564.00	0.042	
13	1,959,348.00	37,589.00	0.038	
14	1,996,937.00	27,863.00	0.028	SHUT DOWN
15	2,024,800.00	40,439.00	0.040	
16	2,065,239.00	49,920.00	0.050	
17	2,115,159.00	39,212.00	0.039	
18	2,154,371.00	42,785.00	0.043	
19	2,197,156.00	43,376.00	0.043	
20	2,240,532.00	47,038.00	0.047	
21	2,287,570.00	31,825.00	0.032	
22	2,319,395.00	49,088.00	0.049	
23	2,368,483.00	59,697.00	0.060	
24	2,428,180.00	44,767.00	0.045	
25	2,472,947.00	25,390.00	0.025	SHUT DOWN
26	2,498,337.00	48,487.00	0.048	SHUT DOWN
27	2,546,824.00	47,812.00	0.048	
28	2,594,636.00	32,127.00	0.032	
29	2,626,763.00	46,672.00	0.047	
30	2,673,435.00	60,422.00	0.060	
October 01	2,733,857.00			
		TOTAL	1.205	
		AVERAGE	0.040	

FLOW FROM EXTRACTION WELLS

YEAR: 2001				
MONTH: Sept. DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	7,018,662.70	32,899.10	0.033	
2	7,051,561.80	2.60	0.000	SHUT DOWN
3	7,051,564.40	7,737.50	0.008	SHUT DOWN
4	7,059,301.90	32,032.40	0.032	SHUT DOWN
5	7,091,334.30	32,542.90	0.033	
6	7,123,877.20	31,443.60	0.031	
7	7,155,320.80	23,586.70	0.024	
8	7,178,907.50	30,939.00	0.031	
9	7,209,846.50	39,615.30	0.040	
10	7,249,461.80	25,093.80	0.025	
11	7,274,555.60	30,991.60	0.031	
12	7,305,547.20	29,521.40	0.030	
13	7,335,068.60	30,034.70	0.030	
14	7,365,103.30	19,941.90	0.020	
15	7,385,045.20	30,926.70	0.031	
16	7,415,971.90	37,474.80	0.037	
17	7,453,446.70	28,804.30	0.029	
18	7,482,251.00	27,699.20	0.028	
19	7,509,950.20	26,941.40	0.027	
20	7,536,891.60	36,573.10	0.037	SHUT DOWN
21	7,573,464.70	24,092.30	0.024	
22	7,597,557.00	38,190.40	0.038	
23	7,635,747.40	48,043.10	0.048	
24	7,683,790.50	35,421.50	0.035	
25	7,719,212.00	15,286.10	0.015	SHUT DOWN
26	7,734,498.10	36,618.30	0.037	SHUT DOWN
27	7,771,116.40	35,893.30	0.036	
28	7,807,009.70	25,098.70	0.025	
29	7,832,108.40	34,941.60	0.035	
30	7,867,050.00	48,600.90	0.049	
October 01	7,915,650.90			
		TOTAL	0.899	
		AVERAGE	0.030	

FLOW FROM EQT-100

YEAR: 2001				
MONTH: Sept. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	1,799,690.80	34,635.30	0.035	
2	1,834,326.10	387.90	0.000	SHUT DOWN
3	1,834,714.00	18,754.90	0.019	SHUT DOWN
4	1,853,468.90	47,674.50	0.048	SHUT DOWN
5	1,901,143.40	46,842.40	0.047	
6	1,947,985.80	41,860.20	0.042	
7	1,989,846.00	28,217.50	0.028	
8	2,018,063.50	38,922.00	0.039	
9	2,056,985.50	52,349.40	0.052	
10	2,109,334.90	33,996.30	0.034	
11	2,143,331.20	46,160.20	0.046	
12	2,189,491.40	41,344.80	0.041	
13	2,230,836.20	37,710.40	0.038	
14	2,268,546.60	28,195.90	0.028	SHUT DOWN
15	2,296,742.50	40,844.30	0.041	
16	2,337,586.80	49,481.10	0.049	
17	2,387,067.90	39,302.40	0.039	
18	2,426,370.30	42,847.00	0.043	
19	2,469,217.30	43,498.80	0.043	
20	2,512,716.10	47,131.90	0.047	
21	2,559,848.00	31,338.90	0.031	
22	2,591,186.90	49,497.40	0.049	
23	2,640,684.30	60,086.00	0.060	
24	2,700,770.30	44,817.90	0.045	
25	2,745,588.20	25,506.50	0.026	SHUT DOWN
26	2,771,094.70	48,621.20	0.049	SHUT DOWN
27	2,819,715.90	47,869.20	0.048	
28	2,867,585.10	31,982.20	0.032	
29	2,899,567.30	47,267.20	0.047	
30	2,946,834.50	60,291.40	0.060	
October 01	3,007,125.90			
		TOTAL	1.206	
		AVERAGE	0.040	

EFFLUENT FLOW FROM PLANT

YEAR: 2001				
MONTH: Sept. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	5,164,050.00	24,458.00	0.024	
2	5,188,508.00	0.00	0.000	SHUT DOWN
3	5,188,508.00	10,618.00	0.011	SHUT DOWN
4	5,199,126.00	34,460.00	0.034	SHUT DOWN
5	5,233,586.00	36,112.00	0.036	
6	5,269,698.00	33,776.00	0.034	
7	5,303,474.00	21,467.00	0.021	
8	5,324,941.00	30,834.00	0.031	
9	5,355,775.00	40,694.00	0.041	
10	5,396,469.00	23,755.00	0.024	
11	5,420,224.00	35,645.00	0.036	
12	5,455,869.00	30,890.00	0.031	
13	5,486,759.00	27,055.00	0.027	
14	5,513,814.00	22,804.00	0.023	SHUT DOWN
15	5,536,618.00	34,222.00	0.034	
16	5,570,840.00	36,692.00	0.037	
17	5,607,532.00	26,995.00	0.027	
18	5,634,527.00	31,232.00	0.031	
19	5,665,759.00	30,964.00	0.031	
20	5,696,723.00	35,670.00	0.036	
21	5,732,393.00	34,951.00	0.035	
22	5,767,344.00	34,951.00	0.035	
23	5,802,295.00	47,109.00	0.047	
24	5,849,404.00	35,222.00	0.035	
25	5,884,626.00	17,098.00	0.017	SHUT DOWN
26	5,901,724.00	37,029.00	0.037	SHUT DOWN
27	5,938,753.00	39,128.00	0.039	
28	5,977,881.00	25,698.00	0.026	
29	6,003,579.00	40,217.00	0.040	
30	6,043,796.00	46,809.00	0.047	
October 01	6,090,605.00			
		TOTAL	0.927	
		AVERAGE	0.031	

PRECIPITATION

YEAR: 2001	
MONTH: SEPT. DAY	RAINFALL (INCHES)
1	0.00
2	0.00
3	0.00
4	0.10
5	0.00
6	0.00
7	0.35
8	1.25
9	0.10
10	1.25
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	0.10
18	0.00
19	0.40
20	0.00
21	0.30
22	0.00
23	1.50
24	1.50
25	0.00
26	0.00
27	0.00
28	0.00
29	0.00
30	0.00
TOTAL	6.85

INORGANIC REPORT

APL INC.

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

WDNR# 241340550

INVOICE NUMBER **20010686**
DATE REPORTED: 24-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 25758 Matrix: GW
Client ID: **010905**
Collection: 9/5/2001 Time: 08:23
Sample Description: WA09R

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	9/14/2001	998309	
Barium - ICAP	<0.007	mg/l	RJ	0.007	0.02	200.7	bb	9/17/2001	998322	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/14/2001	998310	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	9/17/2001	998322	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	9/17/2001	998322	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/14/2001	998311	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/7/2001	998212	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	9/17/2001	998322	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/13/2001	998312	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	9/17/2001	998322	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/13/2001	998315	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	9/17/2001	998322	
COD. Total	10	mg/l	J RJ	3.4	11	410.4-CT	ta	9/6/2001	998353	
Nitrate + Nitrite Nitrogen	1.3	mg/l	RJ	0.03	0.10	353.3	ta	9/20/2001	998382	
Nitrogen, Ammonia	<1.0	mg/l		1	3.2	350.1	ta	9/6/2001	998369	
Phosphorus, Total	<0.1	mg/l	RJ	0.1	0.32	365.2	ta	9/6/2001	998355	
Solids, Total Suspended	<1.0	mg/l	RJ	1	3.2	SM 2540D	bb	9/6/2001	998207	

Sample Number: 25759 Matrix: GW
Client ID: **010905**
Collection: 9/5/2001 Time: 08:03
Sample Description: WA07P

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	9/14/2001	998309	
Barium - ICAP	0.009	mg/l	J RJ	0.007	0.02	200.7	bb	9/17/2001	998322	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/14/2001	998310	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	9/17/2001	998322	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	9/17/2001	998322	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/14/2001	998311	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/7/2001	998212	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010686
DATE REPORTED: 24-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	9/17/2001	998322	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/13/2001	998312	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	9/17/2001	998322	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/13/2001	998315	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	9/17/2001	998322	

Sample Number: 25760 Matrix: GW
Client ID: **010905**
Collection: 9/5/2001 Time: 08:00
Sample Description: WA05P

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	9/14/2001	998309	
Barium - ICAP	<0.007	mg/l	RJ	0.007	0.02	200.7	bb	9/17/2001	998322	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/14/2001	998310	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	9/17/2001	998322	
Copper- ICAP	0.05	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	9/17/2001	998322	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/14/2001	998311	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/7/2001	998212	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	9/17/2001	998322	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/13/2001	998312	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	9/17/2001	998322	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/13/2001	998315	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	bb	9/17/2001	998322	
pH (water)	7.6	s.u.	#			150.1	ogtp	9/5/2001	998351	

Sample Number: 25761 Matrix: GW
Client ID: **010905**
Collection: 9/5/2001 Time: 08:05
Sample Description: WA01P

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	9/14/2001	998309	
Barium - ICAP	0.08	mg/l	RJ	0.007	0.02	200.7	bb	9/17/2001	998322	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/14/2001	998310	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	9/17/2001	998322	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Iron - ICAP	0.72	mg/l	RJ	0.081	0.26	200.7	bb	9/17/2001	998322	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/14/2001	998311	
Manganese - ICAP	0.11	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010686
DATE REPORTED: 24-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	9/7/2001	*998212*	
Nickel - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	9/17/2001	*998322*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	tm	9/13/2001	*998312*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	9/17/2001	*998322*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	tm	9/13/2001	*998315*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	bb	9/17/2001	*998322*	
Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	ta	9/6/2001	*998352*	
COD. Total	**<3.4**	**mg/l**		**RJ**	3.4	11	410.4-CT	ta	9/6/2001	*998353*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	9/9/2001	*998273*	
Cyanide, Total	**0.02**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	9/9/2001	*998276*	
pH (water)	**7.2**	**s.u.**	#				150.1	ogtp	9/5/2001	*998351*	
Solids, Total Suspended	**2**	**mg/l**	*J*	**RJ**	1	3.2	SM 2540D	bb	9/6/2001	*998207*	

Sample Number: 25762 Matrix: GW
Client ID: **010905**
Collection: 9/5/2001 Time: 08:28
Sample Description: WA02P

Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	9/9/2001	*998273*	
Cyanide, Total	**0.02**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	9/9/2001	*998276*	
pH (water)	**9.3**	**s.u.**	#				150.1	ogtp	9/5/2001	*998351*	

Sample Number: 25763 Matrix: GW
Client ID: **010905**
Collection: 9/5/2001 Time: 08:18
Sample Description: WA03P

pH (water)	**12**	**s.u.**	#				150.1	ogtp	9/5/2001	*998351*	

Sample Number: 25765 Matrix: GW
Client ID: **010905**
Collection: 9/5/2001 Time: 08:10
Sample Description: WA09P

Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	ta	9/6/2001	*998352*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	9/9/2001	*998273*	
Cyanide, Total	**0.02**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	9/9/2001	*998276*	
pH (water)	**7.6**	**s.u.**	#				150.1	ogtp	9/5/2001	*998351*	

Sample Number: 25767 Matrix: GW
Client ID: **010905**
Collection: 9/5/2001 Time: 08:10
Sample Description: WA09Q

Chromium, Hexavalent	**<0.0042**	**mg/l**			0.004	0.01	SM 3500D	ta	9/6/2001	*998352*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010686**
DATE REPORTED: 24-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/9/2001	*998273*	
Cyanide, Total	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/9/2001	*998276*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	ogtp	9/5/2001	*998351*	

Approved By: _____ **Date:** 9/24/01

James Chang, Ph.D. , Lab Director

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

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

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

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

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25759
Client ID: 010905

QC Prep Batch Number: 998237

Collection: 9/5/2001 Time: 08:03
Sample Description: WA07P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	9/12/2001 / 9/12/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichlorobenzene	0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	9/12/2001 / 9/12/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	9/12/2001 / 9/12/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	9/12/2001 / 9/12/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	9/12/2001 / 9/12/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	9/12/2001 / 9/12/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	9/12/2001 / 9/12/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	9/12/2001 / 9/12/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	9/12/2001 / 9/12/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	9/12/2001 / 9/12/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	9/12/2001 / 9/12/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	9/12/2001 / 9/12/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Trichloroethene	0.54	ug/l	0.34	1.1	1	J	8260	tm	9/12/2001 / 9/12/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	9/12/2001 / 9/12/2001

Sample Number: 25761 QC Prep Batch Number: 998237 Collection: 9/5/2001 Time: 08:05
Client ID: 010905 Sample Description: WA01P

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	9/12/2001 / 9/12/2001
1,1,1-Trichloroethane	122	ug/l	1.6	4.9	5		8260	qh	9/12/2001 / 9/12/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	9/12/2001 / 9/12/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	9/12/2001 / 9/12/2001
1,1-Dichloroethane	14	ug/l	1.6	5.1	5		8260	qh	9/12/2001 / 9/12/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	9/12/2001 / 9/12/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	9/12/2001 / 9/12/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	9/12/2001 / 9/12/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	9/12/2001 / 9/12/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	9/12/2001 / 9/12/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	9/12/2001 / 9/12/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	9/12/2001 / 9/12/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	9/12/2001 / 9/12/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	9/12/2001 / 9/12/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	9/12/2001 / 9/12/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	9/12/2001 / 9/12/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	9/12/2001 / 9/12/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	9/12/2001 / 9/12/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	9/12/2001 / 9/12/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	9/12/2001 / 9/12/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	9/12/2001 / 9/12/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	9/12/2001 / 9/12/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	9/12/2001 / 9/12/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	9/12/2001 / 9/12/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	9/12/2001 / 9/12/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	9/12/2001 / 9/12/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	9/12/2001 / 9/12/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	9/12/2001 / 9/12/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	9/12/2001 / 9/12/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	9/12/2001 / 9/12/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	9/12/2001 / 9/12/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	9/12/2001 / 9/12/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	9/12/2001 / 9/12/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	9/12/2001 / 9/12/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	9/12/2001 / 9/12/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	9/12/2001 / 9/12/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	9/12/2001 / 9/12/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	9/12/2001 / 9/12/2001
cis-1,2-Dichloroethene	34	ug/l	1.4	4.3	5		8260	qh	9/12/2001 / 9/12/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	9/12/2001 / 9/12/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	9/12/2001 / 9/12/2001
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	9/12/2001 / 9/12/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	9/12/2001 / 9/12/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	9/12/2001 / 9/12/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	9/12/2001 / 9/12/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	9/12/2001 / 9/12/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	9/12/2001 / 9/12/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	9/12/2001 / 9/12/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	9/12/2001 / 9/12/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	9/12/2001 / 9/12/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	9/12/2001 / 9/12/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	9/12/2001 / 9/12/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	9/12/2001 / 9/12/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	9/12/2001 / 9/12/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	9/12/2001 / 9/12/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	9/12/2001 / 9/12/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	9/12/2001 / 9/12/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	9/12/2001 / 9/12/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	9/12/2001 / 9/12/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	9/12/2001 / 9/12/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	9/12/2001 / 9/12/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	9/12/2001 / 9/12/2001
Trichloroethene	438	ug/l	1.7	5.4	5		8260	qh	9/12/2001 / 9/12/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	9/12/2001 / 9/12/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	9/12/2001 / 9/12/2001

Sample Number: 25764
Client ID: 010905

QC Prep Batch Number: 998237

Collection: 9/5/2001 Time: 08:15
Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	9/12/2001 / 9/12/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	9/12/2001 / 9/12/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	9/12/2001 / 9/12/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	9/12/2001 / 9/12/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	9/12/2001 / 9/12/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	9/12/2001 / 9/12/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	9/12/2001 / 9/12/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	9/12/2001 / 9/12/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	9/12/2001 / 9/12/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	9/12/2001 / 9/12/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	9/12/2001 / 9/12/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	9/12/2001 / 9/12/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	9/12/2001 / 9/12/2001

Sample Number: 25765
Client ID: 010905

QC Prep Batch Number: 998237

Collection: 9/5/2001 Time: 08:10
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	9/12/2001 / 9/12/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	9/12/2001 / 9/12/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	9/12/2001 / 9/12/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	9/12/2001 / 9/12/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	9/12/2001 / 9/12/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	9/12/2001 / 9/12/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	9/12/2001 / 9/12/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	9/12/2001 / 9/12/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	9/12/2001 / 9/12/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	9/12/2001 / 9/12/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	9/12/2001 / 9/12/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	9/12/2001 / 9/12/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	9/12/2001 / 9/12/2001

Sample Number: 25766 QC Prep Batch Number: 998237 Collection: 9/5/2001 Time: 12:00
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	9/12/2001 / 9/12/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	9/12/2001 / 9/12/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	9/12/2001 / 9/12/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	9/12/2001 / 9/12/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	9/12/2001 / 9/12/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	9/12/2001 / 9/12/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	9/12/2001 / 9/12/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	9/12/2001 / 9/12/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	9/12/2001 / 9/12/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	9/12/2001 / 9/12/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	9/12/2001 / 9/12/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	9/12/2001 / 9/12/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	9/12/2001 / 9/12/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	9/12/2001 / 9/12/2001

Sample Number: 25767
Client ID: 010905

QC Prep Batch Number: 998237

Collection: 9/5/2001 Time: 08:10
Sample Description: WA09Q

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	9/12/2001 / 9/12/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001

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

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	9/12/2001 / 9/12/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	9/12/2001 / 9/12/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	9/12/2001 / 9/12/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	9/12/2001 / 9/12/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	9/12/2001 / 9/12/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	9/12/2001 / 9/12/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	9/12/2001 / 9/12/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	9/12/2001 / 9/12/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	9/12/2001 / 9/12/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	9/12/2001 / 9/12/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	9/12/2001 / 9/12/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	9/12/2001 / 9/12/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	9/12/2001 / 9/12/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	9/12/2001 / 9/12/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	9/12/2001 / 9/12/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010686**
DATE REPORTED: 19-Sep-01
DATE RECEIVED: 05-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	tm	9/12/2001 / 9/12/2001
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	tm	9/12/2001 / 9/12/2001
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	tm	9/12/2001 / 9/12/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	tm	9/12/2001 / 9/12/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	tm	9/12/2001 / 9/12/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	tm	9/12/2001 / 9/12/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	tm	9/12/2001 / 9/12/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	tm	9/12/2001 / 9/12/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	tm	9/12/2001 / 9/12/2001

Approved By: _____ **Date:** 9/19/01

James Chang, Ph.D. , Lab Director

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

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

MONITORING WELLS

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25800 Matrix: GW
Client ID: **010907**
Collection: 9/7/2001 Time: 08:00
Sample Description: MW09SP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	TD	5.6	18	206.2	tm	9/17/2001	998399	
Barium - ICAP	0.33	mg/l	TD	0.007	0.02	200.7	bb	9/21/2001	998397	
Cadmium - Furnace AA	<0.4	ug/l	TD	0.4	1.3	213.2	tm	9/19/2001	998400	
Chromium, Total - ICAP	0.08	mg/l	TD	0.008	0.03	200.7	bb	9/21/2001	998397	
Copper- ICAP	0.02	mg/l	TD	0.006	0.02	200.7	bb	9/21/2001	998397	
Iron - ICAP	19	mg/l	TD	0.081	0.26	200.7	bb	9/21/2001	998397	
Lead - Furnace AA	<1.5	ug/l	TD	1.5	4.8	239.2	tm	9/18/2001	998402	
Manganese - ICAP	0.45	mg/l	TD	0.006	0.02	200.7	bb	9/21/2001	998397	
Mercury CV	<0.0002	mg/l	TD	0.0002	0.0006	245.1	bb	9/19/2001	998404	
Nickel - ICAP	0.02	mg/l	J TD	0.011	0.03	200.7	bb	9/21/2001	998397	
Selenium - Furnace AA	<4.8	ug/l	TD	4.8	15	270.2	tm	9/20/2001	998401	
Silver - ICAP	<0.004	mg/l	TD	0.004	0.01	200.7	bb	9/21/2001	998397	
Thallium - Furnace AA	<1.3	ug/l	TD	1.3	4.1	279.2	tm	9/21/2001	998403	
Zinc - ICAP	0.03	mg/l	J TD	0.014	0.04	200.7	bb	9/21/2001	998397	
Chromium, Hexavalent	<0.0042	mg/l	TD	0.004	0.01	SM 3500D	ta	9/7/2001	998409	
Cyanide, Amenable	<0.006	mg/l	TD	0.006	0.02	335.2	bb	9/20/2001	998381	
Cyanide, Total	<0.006	mg/l	TD	0.006	0.02	335.2	bb	9/20/2001	998380	
pH (water)	7.1	s.u.	#			150.1	ogtp	9/10/2001	998410	

Sample Number: 25801 Matrix: GW
Client ID: **010910**
Collection: 9/10/2001 Time: 10:50
Sample Description: MW05DP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	TD	5.6	18	206.2	tm	9/17/2001	998399	
Barium - ICAP	0.19	mg/l	TD	0.007	0.02	200.7	bb	9/21/2001	998397	
Cadmium - Furnace AA	<0.4	ug/l	TD	0.4	1.3	213.2	tm	9/19/2001	998400	
Chromium, Total - ICAP	0.07	mg/l	TD	0.008	0.03	200.7	bb	9/21/2001	998397	
Copper- ICAP	<0.006	mg/l	TD	0.006	0.02	200.7	bb	9/21/2001	998397	
Iron - ICAP	8.7	mg/l	TD	0.081	0.26	200.7	bb	9/21/2001	998397	
Lead - Furnace AA	<1.5	ug/l	TD	1.5	4.8	239.2	tm	9/18/2001	998402	
Manganese - ICAP	0.2	mg/l	TD	0.006	0.02	200.7	bb	9/21/2001	998397	
Mercury CV	<0.0002	mg/l	TD	0.0002	0.0006	245.1	bb	9/19/2001	998404	
Nickel - ICAP	0.03	mg/l	J TD	0.011	0.03	200.7	bb	9/21/2001	998397	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**	**TD**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**	**TD**	0.004	0.01	200.7	bb	9/21/2001	*998397*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**TD**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**0.03**	**mg/l**	*J* **TD**	0.014	0.04	200.7	bb	9/21/2001	*998397*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**TD**	0.004	0.01	SM 3500D	ta	9/7/2001	*998409*	
Cyanide, Amenable	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/20/2001	*998381*	
Cyanide, Total	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/20/2001	*998380*	
pH (water)	**7.2**	**s.u.**	#			150.1	ogtp	9/10/2001	*998410*	

Sample Number: 25802 Matrix: GW
Client ID: **010906**
Collection: 9/6/2001 Time: 09:55
Sample Description: MW12DP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**TD**	5.6	18	206.2	tm	9/17/2001	*998399*	
Barium - ICAP	**0.17**	**mg/l**	**TD**	0.007	0.02	200.7	bb	9/21/2001	*998397*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TD**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**0.01**	**mg/l**	*J* **TD**	0.008	0.03	200.7	bb	9/21/2001	*998397*	
Copper- ICAP	**0.92**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Iron - ICAP	**5.4**	**mg/l**	**TD**	0.081	0.26	200.7	bb	9/21/2001	*998397*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	tm	9/18/2001	*998402*	
Manganese - ICAP	**0.11**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Mercury CV	**<0.0002**	**mg/l**	**TD**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**0.04**	**mg/l**	**TD**	0.011	0.03	200.7	bb	9/21/2001	*998397*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**TD**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**	**TD**	0.004	0.01	200.7	bb	9/21/2001	*998397*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**TD**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**0.04**	**mg/l**	*J* **TD**	0.014	0.04	200.7	bb	9/21/2001	*998397*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**TD**	0.004	0.01	SM 3500D	ta	9/7/2001	*998409*	
Cyanide, Amenable	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/20/2001	*998381*	
Cyanide, Total	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/20/2001	*998380*	
pH (water)	**8**	**s.u.**	#			150.1	ogtp	9/10/2001	*998410*	

Sample Number: 25803 Matrix: GW
Client ID: **010906**
Collection: 9/6/2001 Time: 10:05
Sample Description: MW12BP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**TD**	5.6	18	206.2	tm	9/17/2001	*998399*	
Barium - ICAP	**0.11**	**mg/l**	**TD**	0.007	0.02	200.7	bb	9/21/2001	*998397*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TD**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**TD**	0.008	0.03	200.7	bb	9/21/2001	*998397*	
Copper- ICAP	**<0.006**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Iron - ICAP	**0.15**	**mg/l**	*J* **TD**	0.081	0.26	200.7	bb	9/21/2001	*998397*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	tm	9/18/2001	*998402*	
Manganese - ICAP	**0.02**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Mercury CV	**<0.0002**	**mg/l**	**TD**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**0.05**	**mg/l**	**TD**	0.011	0.03	200.7	bb	9/21/2001	*998397*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**TD**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**	**TD**	0.004	0.01	200.7	bb	9/21/2001	*998397*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**TD**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**0.03**	**mg/l**	*J* **TD**	0.014	0.04	200.7	bb	9/21/2001	*998397*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**TD**	0.004	0.01	SM 3500D	ta	9/7/2001	*998409*	
Cyanide, Amenable	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/20/2001	*998381*	
Cyanide, Total	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/20/2001	*998380*	
pH (water)	**7.8**	**s.u.**	#			150.1	ogtp	9/10/2001	*998410*	

Sample Number: 25804 Matrix: GW

Client ID: **010907**

Collection: 9/7/2001 Time: 07:45

Sample Description: MW13SP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**TD**	5.6	18	206.2	tm	9/17/2001	*998399*	
Barium - ICAP	**0.1**	**mg/l**	**TD**	0.007	0.02	200.7	bb	9/21/2001	*998397*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TD**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**0.16**	**mg/l**	**TD**	0.008	0.03	200.7	bb	9/21/2001	*998397*	
Copper- ICAP	**0.02**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Iron - ICAP	**14**	**mg/l**	**TD**	0.081	0.26	200.7	bb	9/21/2001	*998397*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	tm	9/18/2001	*998402*	
Manganese - ICAP	**0.25**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Mercury CV	**<0.0002**	**mg/l**	**TD**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**0.07**	**mg/l**	**TD**	0.011	0.03	200.7	bb	9/21/2001	*998397*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**TD**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**	**TD**	0.004	0.01	200.7	bb	9/21/2001	*998397*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**TD**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**0.08**	**mg/l**	**TD**	0.014	0.04	200.7	bb	9/21/2001	*998397*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**TD**	0.004	0.01	SM 3500D	ta	9/7/2001	*998409*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Amenable	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/20/2001	*998381*	
Cyanide, Total	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/20/2001	*998380*	
pH (water)	**6.9**	**s.u.**	#			150.1	ogtp	9/10/2001	*998410*	

Sample Number: 25805 Matrix: GW
Client ID: **010906**
Collection: 9/6/2001 Time: 11:05
Sample Description: MW02DP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**TD**	5.6	18	206.2	tm	9/17/2001	*998399*	
Barium - ICAP	**0.13**	**mg/l**	**TD**	0.007	0.02	200.7	bb	9/21/2001	*998397*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TD**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**TD**	0.008	0.03	200.7	bb	9/21/2001	*998397*	
Copper- ICAP	**<0.006**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Iron - ICAP	**0.94**	**mg/l**	**TD**	0.081	0.26	200.7	bb	9/21/2001	*998397*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	tm	9/18/2001	*998402*	
Manganese - ICAP	**0.03**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Mercury CV	**<0.0002**	**mg/l**	**TD**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**<0.011**	**mg/l**	**TD**	0.011	0.03	200.7	bb	9/21/2001	*998397*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**TD**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**	**TD**	0.004	0.01	200.7	bb	9/21/2001	*998397*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**TD**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**0.02**	**mg/l**	*J* **TD**	0.014	0.04	200.7	bb	9/21/2001	*998397*	
Chromium, Hexavalent	**0.007**	**mg/l**	*J* **TD**	0.004	0.01	SM 3500D	ta	9/7/2001	*998409*	
Cyanide, Amenable	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/21/2001	*998408*	
Cyanide, Total	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/21/2001	*998406*	
pH (water)	**7.7**	**s.u.**	#			150.1	ogtp	9/10/2001	*998410*	

Sample Number: 25806 Matrix: GW
Client ID: **010906**
Collection: 9/6/2001 Time: 11:15
Sample Description: MW03DP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**TD**	5.6	18	206.2	tm	9/17/2001	*998399*	
Barium - ICAP	**0.12**	**mg/l**	**TD**	0.007	0.02	200.7	bb	9/21/2001	*998397*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TD**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**TD**	0.008	0.03	200.7	bb	9/21/2001	*998397*	
Copper- ICAP	**<0.006**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Iron - ICAP	**1**	**mg/l**	**TD**	0.081	0.26	200.7	bb	9/21/2001	*998397*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	tm	9/18/2001	*998402*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010720
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Manganese - ICAP	**0.03**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Mercury CV	**<0.0002**	**mg/l**	**TD**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**<0.011**	**mg/l**	**TD**	0.011	0.03	200.7	bb	9/21/2001	*998397*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**TD**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**	**TD**	0.004	0.01	200.7	bb	9/21/2001	*998397*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**TD**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**<0.014**	**mg/l**	**TD**	0.014	0.04	200.7	bb	9/21/2001	*998397*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**TD**	0.004	0.01	SM 3500D	ta	9/7/2001	*998409*	
Cyanide, Amenable	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/21/2001	*998408*	
Cyanide, Total	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/21/2001	*998406*	
pH (water)	**7.7**	**s.u.**	#			150.1	ogtp	9/10/2001	*998410*	

Sample Number: 25807 Matrix: GW
Client ID: **010907**
Collection: 9/7/2001 Time: 07:35
Sample Description: MW16SP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**TD**	5.6	18	206.2	tm	9/17/2001	*998399*	
Barium - ICAP	**0.14**	**mg/l**	**TD**	0.007	0.02	200.7	bb	9/21/2001	*998397*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TD**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**0.03**	**mg/l**	**TD**	0.008	0.03	200.7	bb	9/21/2001	*998397*	
Copper- ICAP	**0.02**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Iron - ICAP	**57**	**mg/l**	**TD**	0.081	0.26	200.7	bb	9/21/2001	*998397*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	tm	9/18/2001	*998402*	
Manganese - ICAP	**1.4**	**mg/l**	**TD**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Mercury CV	**<0.0002**	**mg/l**	**TD**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**0.07**	**mg/l**	**TD**	0.011	0.03	200.7	bb	9/21/2001	*998397*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**TD**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**	**TD**	0.004	0.01	200.7	bb	9/21/2001	*998397*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**TD**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**0.09**	**mg/l**	**TD**	0.014	0.04	200.7	bb	9/21/2001	*998397*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**TD**	0.004	0.01	SM 3500D	ta	9/7/2001	*998409*	
Cyanide, Amenable	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/21/2001	*998408*	
Cyanide, Total	**<0.006**	**mg/l**	**TD**	0.006	0.02	335.2	bb	9/21/2001	*998406*	
pH (water)	**7**	**s.u.**	#			150.1	ogtp	9/10/2001	*998410*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

Approved By: _____ **Date:** 10/1/01

James Chang, Ph.D. , Lab Director

TD ***Result expressed as Total Dissolved.***

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25800 QC Prep Batch Number: 998398 Collection: 9/7/2001 Time: 08:00
Client ID: 010907 Sample Description: MW09SP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 9/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 9/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 9/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 9/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 9/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Chloromethane	0.72	ug/l	0.49	1.6	1	J	8260	us	/ 9/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/17/2001

Sample Number: 25801
Client ID: 010910

QC Prep Batch Number: 998398

Collection: 9/10/2001 Time: 10:50
Sample Description: MW05DP

1,1,1,2-Tetrachloroethane	< 22	ug/l	22	70	100		8260	us	/ 9/17/2001
1,1,1-Trichloroethane	< 31	ug/l	31	99	100		8260	us	/ 9/17/2001
1,1,2,2-Tetrachloroethane	< 44	ug/l	44	140	100		8260	us	/ 9/17/2001
1,1,2-Trichloroethane	< 44	ug/l	44	140	100		8260	us	/ 9/17/2001
1,1-Dichloroethane	< 32	ug/l	32	102	100		8260	us	/ 9/17/2001
1,1-Dichloroethene	< 34	ug/l	34	108	100		8260	us	/ 9/17/2001
1,1-Dichloropropene	< 43	ug/l	43	137	100		8260	us	/ 9/17/2001
1,2,3-Trichlorobenzene	< 50	ug/l	50	159	100		8260	us	/ 9/17/2001
1,2,3-Trichloropropane	< 51	ug/l	51	162	100		8260	us	/ 9/17/2001
1,2,4-Trichlorobenzene	< 47	ug/l	47	150	100		8260	us	/ 9/17/2001
1,2,4-Trimethylbenzene	< 30	ug/l	30	95	100		8260	us	/ 9/17/2001
1,2-Dibromoethane	< 46	ug/l	46	146	100		8260	us	/ 9/17/2001
1,2-Dichlorobenzene	< 34	ug/l	34	108	100		8260	us	/ 9/17/2001
1,2-Dichloroethane	< 35	ug/l	35	111	100		8260	us	/ 9/17/2001
1,2-Dichloropropane	< 32	ug/l	32	102	100		8260	us	/ 9/17/2001
1,3,5-Trimethylbenzene	< 34	ug/l	34	108	100		8260	us	/ 9/17/2001

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

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	<26	ug/l	26	83	100		8260	us	/ 9/17/2001
1,3-Dichloropropane	<39	ug/l	39	124	100		8260	us	/ 9/17/2001
1,4-Dichlorobenzene	<36	ug/l	36	115	100		8260	us	/ 9/17/2001
12Dibromo-3-chloropropan	<33	ug/l	33	105	100		8260	us	/ 9/17/2001
2,2-Dichloropropane	<27	ug/l	27	86	100		8260	us	/ 9/17/2001
2-Butanone (MEK)	<138	ug/l	138	439	100		8260	us	/ 9/17/2001
2-Chloroethyl Vinyl Ether	<70	ug/l	70	223	100		8260	us	/ 9/17/2001
2-Chlorotoluene	<30	ug/l	30	95	100		8260	us	/ 9/17/2001
4-Chlorotoluene	<26	ug/l	26	83	100		8260	us	/ 9/17/2001
4-Methyl-2-Pentanone	<80	ug/l	80	255	100		8260	us	/ 9/17/2001
Acetone	<155	ug/l	155	493	100		8260	us	/ 9/17/2001
Benzene	<27	ug/l	27	86	100		8260	us	/ 9/17/2001
Bromobenzene	<31	ug/l	31	99	100		8260	us	/ 9/17/2001
Bromochloromethane	<37	ug/l	37	118	100		8260	us	/ 9/17/2001
Bromodichloromethane	<38	ug/l	38	121	100		8260	us	/ 9/17/2001
Bromoform	<39	ug/l	39	124	100		8260	us	/ 9/17/2001
Bromomethane	<65	ug/l	65	207	100		8260	us	/ 9/17/2001
Carbon tetrachloride	<27	ug/l	27	86	100		8260	us	/ 9/17/2001
Chlorobenzene	<26	ug/l	26	83	100		8260	us	/ 9/17/2001
Chloroethane	<64	ug/l	64	204	100		8260	us	/ 9/17/2001
Chloroform	<24	ug/l	24	76	100		8260	us	/ 9/17/2001
Chloromethane	<49	ug/l	49	156	100		8260	us	/ 9/17/2001
cis-1,2-Dichloroethene	<27	ug/l	27	86	100		8260	us	/ 9/17/2001
cis-1,3-Dichloropropene	<37	ug/l	37	118	100		8260	us	/ 9/17/2001
Dibromochloromethane	<41	ug/l	41	130	100		8260	us	/ 9/17/2001
Dibromomethane	<46	ug/l	46	146	100		8260	us	/ 9/17/2001
Dichlorodifluoromethane	<27	ug/l	27	86	100		8260	us	/ 9/17/2001
Ethylbenzene	<25	ug/l	25	80	100		8260	us	/ 9/17/2001
Hexachlorobutadiene	<42	ug/l	42	134	100		8260	us	/ 9/17/2001
Isopropyl Ether	<30	ug/l	30	95	100		8260	us	/ 9/17/2001
Isopropylbenzene	<33	ug/l	33	105	100		8260	us	/ 9/17/2001
m&p-xylene	<53	ug/l	53	169	100		8260	us	/ 9/17/2001
Methyl-t-butyl ether	<39	ug/l	39	124	100		8260	us	/ 9/17/2001
Methylene chloride	<30	ug/l	30	95	100		8260	us	/ 9/17/2001
n-Butylbenzene	<36	ug/l	36	115	100		8260	us	/ 9/17/2001
n-Propylbenzene	<28	ug/l	28	89	100		8260	us	/ 9/17/2001
Naphthalene	<75	ug/l	75	239	100		8260	us	/ 9/17/2001
o-xylene	<25	ug/l	25	80	100		8260	us	/ 9/17/2001
p-Isopropyltoluene	<31	ug/l	31	99	100		8260	us	/ 9/17/2001
sec-Butylbenzene	<34	ug/l	34	108	100		8260	us	/ 9/17/2001
Styrene	<25	ug/l	25	80	100		8260	us	/ 9/17/2001
tert-Butylbenzene	<30	ug/l	30	95	100		8260	us	/ 9/17/2001
Tetrachloroethene	<31	ug/l	31	99	100		8260	us	/ 9/17/2001
Toluene	<29	ug/l	29	92	100		8260	us	/ 9/17/2001
trans-1,2-Dichloroethene	<25	ug/l	25	80	100		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 26	ug/l	26	83	100		8260	us	/ 9/17/2001
Trichloroethene	8300	ug/l	34	108	100		8260	us	/ 9/17/2001
Trichlorofluoromethane	< 24	ug/l	24	76	100		8260	us	/ 9/17/2001
Vinyl chloride	< 20	ug/l	20	64	100		8260	us	/ 9/17/2001

Sample Number: 25802 QC Prep Batch Number: 998398 Collection: 9/6/2001 Time: 09:55
Client ID: 010906 Sample Description: MW12DP

1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	10		8260	us	/ 9/17/2001
1,1,1-Trichloroethane	260	ug/l	3.1	9.9	10		8260	us	/ 9/17/2001
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	10		8260	us	/ 9/17/2001
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	10		8260	us	/ 9/17/2001
1,1-Dichloroethane	74	ug/l	3.2	10	10		8260	us	/ 9/17/2001
1,1-Dichloroethene	27	ug/l	3.4	11	10		8260	us	/ 9/17/2001
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	10		8260	us	/ 9/17/2001
1,2,3-Trichlorobenzene	< 5.0	ug/l	5.0	16	10		8260	us	/ 9/17/2001
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	10		8260	us	/ 9/17/2001
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	10		8260	us	/ 9/17/2001
1,2,4-Trimethylbenzene	< 3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	10		8260	us	/ 9/17/2001
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	10		8260	us	/ 9/17/2001
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	10		8260	us	/ 9/17/2001
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	10		8260	us	/ 9/17/2001
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	10		8260	us	/ 9/17/2001
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	10		8260	us	/ 9/17/2001
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	10		8260	us	/ 9/17/2001
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	10		8260	us	/ 9/17/2001
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	10		8260	us	/ 9/17/2001
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
2-Butanone (MEK)	< 14	ug/l	14	44	10		8260	us	/ 9/17/2001
2-Chloroethyl Vinyl Ether	< 7.0	ug/l	7.0	22	10		8260	us	/ 9/17/2001
2-Chlorotoluene	< 3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	10		8260	us	/ 9/17/2001
4-Methyl-2-Pentanone	< 8.0	ug/l	8.0	25	10		8260	us	/ 9/17/2001
Acetone	< 16	ug/l	16	49	10		8260	us	/ 9/17/2001
Benzene	< 2.7	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
Bromobenzene	< 3.1	ug/l	3.1	9.9	10		8260	us	/ 9/17/2001
Bromochloromethane	< 3.7	ug/l	3.7	12	10		8260	us	/ 9/17/2001
Bromodichloromethane	< 3.8	ug/l	3.8	12	10		8260	us	/ 9/17/2001
Bromoform	< 3.9	ug/l	3.9	12	10		8260	us	/ 9/17/2001
Bromomethane	< 6.5	ug/l	6.5	21	10		8260	us	/ 9/17/2001
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
Chlorobenzene	< 2.6	ug/l	2.6	8.3	10		8260	us	/ 9/17/2001
Chloroethane	< 6.4	ug/l	6.4	20	10		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 2.4	ug/l	2.4	7.6	10		8260	us	/ 9/17/2001
Chloromethane	< 4.9	ug/l	4.9	16	10		8260	us	/ 9/17/2001
cis-1,2-Dichloroethene	27	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	10		8260	us	/ 9/17/2001
Dibromochloromethane	< 4.1	ug/l	4.1	13	10		8260	us	/ 9/17/2001
Dibromomethane	< 4.6	ug/l	4.6	15	10		8260	us	/ 9/17/2001
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
Ethylbenzene	< 2.5	ug/l	2.5	8.0	10		8260	us	/ 9/17/2001
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	10		8260	us	/ 9/17/2001
Isopropyl Ether	< 3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001
Isopropylbenzene	< 3.3	ug/l	3.3	10	10		8260	us	/ 9/17/2001
m&p-xylene	< 5.3	ug/l	5.3	17	10		8260	us	/ 9/17/2001
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	10		8260	us	/ 9/17/2001
Methylene chloride	< 3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001
n-Butylbenzene	< 3.6	ug/l	3.6	11	10		8260	us	/ 9/17/2001
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	10		8260	us	/ 9/17/2001
Naphthalene	< 7.5	ug/l	7.5	24	10		8260	us	/ 9/17/2001
o-xylene	< 2.5	ug/l	2.5	8.0	10		8260	us	/ 9/17/2001
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	10		8260	us	/ 9/17/2001
sec-Butylbenzene	< 3.4	ug/l	3.4	11	10		8260	us	/ 9/17/2001
Styrene	< 2.5	ug/l	2.5	8.0	10		8260	us	/ 9/17/2001
tert-Butylbenzene	< 3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001
Tetrachloroethene	< 3.1	ug/l	3.1	9.9	10		8260	us	/ 9/17/2001
Toluene	< 2.9	ug/l	2.9	9.2	10		8260	us	/ 9/17/2001
trans-1,2-Dichloroethene	16	ug/l	2.5	8.0	10		8260	us	/ 9/17/2001
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	10		8260	us	/ 9/17/2001
Trichloroethene	120	ug/l	3.4	11	10		8260	us	/ 9/17/2001
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	10		8260	us	/ 9/17/2001
Vinyl chloride	< 2.0	ug/l	2.0	6.4	10		8260	us	/ 9/17/2001

Sample Number: 25803
Client ID: 010906

QC Prep Batch Number: 998398

Collection: 9/6/2001 Time: 10:05
Sample Description: MW12BP

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 9/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 9/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 9/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 9/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 9/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	us	/ 9/17/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	us	/ 9/17/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	us	/ 9/17/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	us	/ 9/17/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	us	/ 9/17/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	us	/ 9/17/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/17/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	us	/ 9/17/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	us	/ 9/17/2001

Sample Number: 25804 QC Prep Batch Number: 998398 Collection: 9/7/2001 Time: 07:45
Client ID: 010907 Sample Description: MW13SP

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	us	/ 9/17/2001
1,1,1-Trichloroethane	0.79	**ug/l**	0.31	0.99	1	J	8260	us	/ 9/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	us	/ 9/17/2001
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	us	/ 9/17/2001
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	us	/ 9/17/2001
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/17/2001
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	us	/ 9/17/2001
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	us	/ 9/17/2001
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	us	/ 9/17/2001
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	us	/ 9/17/2001
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	us	/ 9/17/2001
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	us	/ 9/17/2001
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	us	/ 9/17/2001
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/17/2001
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	us	/ 9/17/2001
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	us	/ 9/17/2001
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	us	/ 9/17/2001
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	us	/ 9/17/2001
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	us	/ 9/17/2001
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	us	/ 9/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	us	/ 9/17/2001
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	us	/ 9/17/2001
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	us	/ 9/17/2001
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	us	/ 9/17/2001
Acetone	< 1.6	**ug/l**	1.6	4.9	1		8260	us	/ 9/17/2001
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	us	/ 9/17/2001
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	us	/ 9/17/2001
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	us	/ 9/17/2001
Bromodichloromethane	< 0.38	**ug/l**	0.38	1.2	1		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Trichloroethene	1.6	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/17/2001

Sample Number: 25805
Client ID: 010906

QC Prep Batch Number: 998398

Collection: 9/6/2001 Time: 11:05
Sample Description: MW02DP

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 9/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 9/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 9/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 9/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 9/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/17/2001
Methyl-t-butyl ether	0.56	ug/l	0.39	1.2	1	J	8260	us	/ 9/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010720
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/17/2001

Sample Number: 25806
Client ID: 010906

QC Prep Batch Number: 998398

Collection: 9/6/2001 Time: 11:15
Sample Description: MW03DP

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 9/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 9/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 9/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 9/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 9/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/17/2001

Sample Number: 25807
Client ID: 010907

QC Prep Batch Number: 998398

Collection: 9/7/2001 Time: 07:35
Sample Description: MW16SP

1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	10		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	<3.1	ug/l	3.1	9.9	10		8260	us	/ 9/17/2001
1,1,2,2-Tetrachloroethane	<4.4	ug/l	4.4	14	10		8260	us	/ 9/17/2001
1,1,2-Trichloroethane	<4.4	ug/l	4.4	14	10		8260	us	/ 9/17/2001
1,1-Dichloroethane	<3.2	ug/l	3.2	10	10		8260	us	/ 9/17/2001
1,1-Dichloroethene	<3.4	ug/l	3.4	11	10		8260	us	/ 9/17/2001
1,1-Dichloropropene	<4.3	ug/l	4.3	14	10		8260	us	/ 9/17/2001
1,2,3-Trichlorobenzene	<5.0	ug/l	5.0	16	10		8260	us	/ 9/17/2001
1,2,3-Trichloropropane	<5.1	ug/l	5.1	16	10		8260	us	/ 9/17/2001
1,2,4-Trichlorobenzene	<4.7	ug/l	4.7	15	10		8260	us	/ 9/17/2001
1,2,4-Trimethylbenzene	<3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001
1,2-Dibromoethane	<4.6	ug/l	4.6	15	10		8260	us	/ 9/17/2001
1,2-Dichlorobenzene	<3.4	ug/l	3.4	11	10		8260	us	/ 9/17/2001
1,2-Dichloroethane	<3.5	ug/l	3.5	11	10		8260	us	/ 9/17/2001
1,2-Dichloropropane	<3.2	ug/l	3.2	10	10		8260	us	/ 9/17/2001
1,3,5-Trimethylbenzene	<3.4	ug/l	3.4	11	10		8260	us	/ 9/17/2001
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8.3	10		8260	us	/ 9/17/2001
1,3-Dichloropropane	<3.9	ug/l	3.9	12	10		8260	us	/ 9/17/2001
1,4-Dichlorobenzene	<3.6	ug/l	3.6	11	10		8260	us	/ 9/17/2001
12Dibromo-3-chloropropan	<3.3	ug/l	3.3	10	10		8260	us	/ 9/17/2001
2,2-Dichloropropane	<2.7	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
2-Butanone (MEK)	<14	ug/l	14	44	10		8260	us	/ 9/17/2001
2-Chloroethyl Vinyl Ether	100	ug/l	7.0	22	10		8260	us	/ 9/17/2001
2-Chlorotoluene	<3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001
4-Chlorotoluene	<2.6	ug/l	2.6	8.3	10		8260	us	/ 9/17/2001
4-Methyl-2-Pentanone	<8.0	ug/l	8.0	25	10		8260	us	/ 9/17/2001
Acetone	<16	ug/l	16	49	10		8260	us	/ 9/17/2001
Benzene	<2.7	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
Bromobenzene	<3.1	ug/l	3.1	9.9	10		8260	us	/ 9/17/2001
Bromochloromethane	<3.7	ug/l	3.7	12	10		8260	us	/ 9/17/2001
Bromodichloromethane	<3.8	ug/l	3.8	12	10		8260	us	/ 9/17/2001
Bromoform	<3.9	ug/l	3.9	12	10		8260	us	/ 9/17/2001
Bromomethane	<6.5	ug/l	6.5	21	10		8260	us	/ 9/17/2001
Carbon tetrachloride	<2.7	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
Chlorobenzene	<2.6	ug/l	2.6	8.3	10		8260	us	/ 9/17/2001
Chloroethane	<6.4	ug/l	6.4	20	10		8260	us	/ 9/17/2001
Chloroform	<2.4	ug/l	2.4	7.6	10		8260	us	/ 9/17/2001
Chloromethane	<4.9	ug/l	4.9	16	10		8260	us	/ 9/17/2001
cis-1,2-Dichloroethene	280	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
cis-1,3-Dichloropropene	<3.7	ug/l	3.7	12	10		8260	us	/ 9/17/2001
Dibromochloromethane	<4.1	ug/l	4.1	13	10		8260	us	/ 9/17/2001
Dibromomethane	<4.6	ug/l	4.6	15	10		8260	us	/ 9/17/2001
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	10		8260	us	/ 9/17/2001
Ethylbenzene	<2.5	ug/l	2.5	8.0	10		8260	us	/ 9/17/2001
Hexachlorobutadiene	<4.2	ug/l	4.2	13	10		8260	us	/ 9/17/2001
Isopropyl Ether	<3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropylbenzene	<3.3	ug/l	3.3	10	10		8260	us	/ 9/17/2001
m&p-xylene	<5.3	ug/l	5.3	17	10		8260	us	/ 9/17/2001
Methyl-t-butyl ether	<3.9	ug/l	3.9	12	10		8260	us	/ 9/17/2001
Methylene chloride	<3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001
n-Butylbenzene	<3.6	ug/l	3.6	11	10		8260	us	/ 9/17/2001
n-Propylbenzene	<2.8	ug/l	2.8	8.9	10		8260	us	/ 9/17/2001
Naphthalene	<7.5	ug/l	7.5	24	10		8260	us	/ 9/17/2001
o-xylene	<2.5	ug/l	2.5	8.0	10		8260	us	/ 9/17/2001
p-Isopropyltoluene	<3.1	ug/l	3.1	9.9	10		8260	us	/ 9/17/2001
sec-Butylbenzene	<3.4	ug/l	3.4	11	10		8260	us	/ 9/17/2001
Styrene	<2.5	ug/l	2.5	8.0	10		8260	us	/ 9/17/2001
tert-Butylbenzene	<3.0	ug/l	3.0	9.5	10		8260	us	/ 9/17/2001
Tetrachloroethene	<3.1	ug/l	3.1	9.9	10		8260	us	/ 9/17/2001
Toluene	<2.9	ug/l	2.9	9.2	10		8260	us	/ 9/17/2001
trans-1,2-Dichloroethene	3.0	ug/l	2.5	8.0	10	J	8260	us	/ 9/17/2001
trans-1,3-Dichloropropene	<2.6	ug/l	2.6	8.3	10		8260	us	/ 9/17/2001
Trichloroethene	<3.4	ug/l	3.4	11	10		8260	us	/ 9/17/2001
Trichlorofluoromethane	<2.4	ug/l	2.4	7.6	10		8260	us	/ 9/17/2001
Vinyl chloride	<2.0	ug/l	2.0	6.4	10		8260	us	/ 9/17/2001

Sample Number: 25808 QC Prep Batch Number: 998398 Collection: 9/7/2001 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	us	/ 9/17/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	us	/ 9/17/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	us	/ 9/17/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	us	/ 9/17/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	us	/ 9/17/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	us	/ 9/17/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	us	/ 9/17/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	us	/ 9/17/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001

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

WDNR# 241340550

BATCH NUMBER: **20010720**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/17/2001
Methylene chloride	0.77	ug/l	0.30	0.95	1	J	8260	us	/ 9/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/17/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010720**
DATE REPORTED:	01-Oct-01
DATE RECEIVED:	10-Sep-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 10/1/01

James Chang, Ph.D. , Lab Director

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

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

INORGANIC REPORT

APL INC.

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

WDNR# 241340550

INVOICE NUMBER **20010719**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 25792 Matrix: GW
Client ID: **010907**
Collection: 9/7/2001 Time: 08:00
Sample Description: MW09SF

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	9/17/2001	*998399*	
Barium - ICAP	**0.19**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	9/17/2001	*998322*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	9/17/2001	*998322*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/17/2001	*998322*	
Iron - ICAP	**0.36**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	9/17/2001	*998322*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	9/18/2001	*998402*	
Manganese - ICAP	**0.09**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/17/2001	*998322*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	9/17/2001	*998322*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	9/17/2001	*998322*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	9/17/2001	*998322*	

Sample Number: 25793 Matrix: GW
Client ID: **010910**
Collection: 9/10/2001 Time: 10:50
Sample Description: MW05DF

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	9/17/2001	*998399*	
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	9/17/2001	*998322*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	9/17/2001	*998322*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/17/2001	*998322*	
Iron - ICAP	**0.67**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	9/17/2001	*998322*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	9/18/2001	*998402*	
Manganese - ICAP	**0.09**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/17/2001	*998322*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	bb	9/17/2001	*998322*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	9/17/2001	*998322*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	9/17/2001	*998322*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010719**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25794 Matrix: GW
Client ID: **010906**
Collection: 9/6/2001 Time: 09:55
Sample Description: MW12DF

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	9/17/2001	998399	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	bb	9/17/2001	998322	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/19/2001	998400	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	9/17/2001	998322	
Copper- ICAP	0.006	mg/l	J RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Iron - ICAP	0.26	mg/l	RJ	0.081	0.26	200.7	bb	9/17/2001	998322	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/18/2001	998402	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/19/2001	998404	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	9/17/2001	998322	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/20/2001	998401	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	9/17/2001	998322	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/21/2001	998403	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	bb	9/17/2001	998322	

Sample Number: 25795 Matrix: GW
Client ID: **010906**
Collection: 9/6/2001 Time: 10:05
Sample Description: MW12BF

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	9/17/2001	998399	
Barium - ICAP	0.07	mg/l	RJ	0.007	0.02	200.7	bb	9/17/2001	998322	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/19/2001	998400	
Chromium, Total - ICAP	0.2	mg/l	RJ	0.008	0.03	200.7	bb	9/17/2001	998322	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Iron - ICAP	0.6	mg/l	RJ	0.081	0.26	200.7	bb	9/17/2001	998322	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/18/2001	998402	
Manganese - ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/19/2001	998404	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	bb	9/17/2001	998322	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/20/2001	998401	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	9/17/2001	998322	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/21/2001	998403	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	bb	9/17/2001	998322	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010719
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25796 Matrix: GW
Client ID: 010906
Collection: 9/6/2001 Time: 11:05
Sample Description: MW02DF

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	9/17/2001	998399	
Barium - ICAP	0.14	mg/l	RJ	0.007	0.02	200.7	bb	9/21/2001	998397	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/19/2001	998400	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	9/21/2001	998397	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/21/2001	998397	
Iron - ICAP	0.33	mg/l	RJ	0.081	0.26	200.7	bb	9/21/2001	998397	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/18/2001	998402	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	9/21/2001	998397	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/19/2001	998404	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	9/21/2001	998397	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/20/2001	998401	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	9/21/2001	998397	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/21/2001	998403	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	bb	9/21/2001	998397	

Sample Number: 25797 Matrix: GW
Client ID: 010906
Collection: 9/6/2001 Time: 11:15
Sample Description: MW03DF

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	9/17/2001	998399	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	bb	9/21/2001	998397	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/19/2001	998400	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	bb	9/21/2001	998397	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/21/2001	998397	
Iron - ICAP	0.43	mg/l	RJ	0.081	0.26	200.7	bb	9/21/2001	998397	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/18/2001	998402	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	9/21/2001	998397	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/19/2001	998404	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	9/21/2001	998397	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/20/2001	998401	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	9/21/2001	998397	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/21/2001	998403	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	bb	9/21/2001	998397	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010719
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25798 Matrix: GW
Client ID: 010907
Collection: 9/7/2001 Time: 07:45
Sample Description: MW13SF

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	9/17/2001	998399	
Barium - ICAP	0.04	mg/l		RJ	0.007	0.02	200.7	bb	9/17/2001	998322	
Cadmium - Furnace AA	<0.4	ug/l		RJ	0.4	1.3	213.2	tm	9/19/2001	998400	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	bb	9/17/2001	998322	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Iron - ICAP	<0.081	mg/l		RJ	0.081	0.26	200.7	bb	9/17/2001	998322	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	tm	9/18/2001	998402	
Manganese - ICAP	0.02	mg/l		RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	bb	9/19/2001	998404	
Nickel - ICAP	0.04	mg/l		RJ	0.011	0.03	200.7	bb	9/17/2001	998322	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	tm	9/20/2001	998401	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	bb	9/17/2001	998322	
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	tm	9/21/2001	998403	
Zinc - ICAP	0.02	mg/l	J	RJ	0.014	0.04	200.7	bb	9/17/2001	998322	

Sample Number: 25799 Matrix: GW
Client ID: 010907
Collection: 9/7/2001 Time: 07:35
Sample Description: MW16SF

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	9/17/2001	998399	
Barium - ICAP	0.03	mg/l		RJ	0.007	0.02	200.7	bb	9/17/2001	998322	
Cadmium - Furnace AA	<0.4	ug/l		RJ	0.4	1.3	213.2	tm	9/19/2001	998400	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	bb	9/17/2001	998322	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Iron - ICAP	5.9	mg/l		RJ	0.081	0.26	200.7	bb	9/17/2001	998322	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	tm	9/18/2001	998402	
Manganese - ICAP	0.14	mg/l		RJ	0.006	0.02	200.7	bb	9/17/2001	998322	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	bb	9/19/2001	998404	
Nickel - ICAP	0.02	mg/l	J	RJ	0.011	0.03	200.7	bb	9/17/2001	998322	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	tm	9/20/2001	998401	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	bb	9/17/2001	998322	
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	tm	9/21/2001	998403	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	bb	9/17/2001	998322	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010719**
DATE REPORTED:	01-Oct-01
DATE RECEIVED:	10-Sep-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 10/1/01

James Chang, Ph.D. , Lab Director

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

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

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

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20010721**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 25809 Matrix: GW
Client ID: **010910**
Collection: 9/10/2001 Time: 09:41
Sample Description: WA09R

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	9/17/2001	*998399*	
Barium - ICAP	**<0.007**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	9/21/2001	*998397*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	9/21/2001	*998397*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	9/21/2001	*998397*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	tm	9/18/2001	*998402*	
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	bb	9/21/2001	*998397*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	9/21/2001	*998397*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**0.09**	**mg/l**		**RJ**	0.014	0.04	200.7	bb	9/21/2001	*998397*	

Sample Number: 25810 Matrix: GW
Client ID: **010910**
Collection: 9/10/2001 Time: 09:30
Sample Description: WA01P

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	9/17/2001	*998399*	
Barium - ICAP	**0.16**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	9/21/2001	*998397*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	tm	9/19/2001	*998400*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	9/21/2001	*998397*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Iron - ICAP	**1.5**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	9/21/2001	*998397*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	tm	9/18/2001	*998402*	
Manganese - ICAP	**0.21**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	9/21/2001	*998397*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	9/19/2001	*998404*	
Nickel - ICAP	**0.04**	**mg/l**		**RJ**	0.011	0.03	200.7	bb	9/21/2001	*998397*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	tm	9/20/2001	*998401*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	9/21/2001	*998397*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	tm	9/21/2001	*998403*	
Zinc - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	bb	9/21/2001	*998397*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010721
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	9/11/2001	*998409*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/21/2001	*998408*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/21/2001	*998406*	
pH (water)	**6.9**	**s.u.**	**#**			150.1	ogtp	9/10/2001	*998410*	
Sample Number: 25811		Matrix: GW						Collection: 9/10/2001		Time: 09:44
Client ID: **010910**								Sample Description: WA02P		
pH (water)	**9.5**	**s.u.**	**#**			150.1	ogtp	9/10/2001	*998410*	
Sample Number: 25812		Matrix: GW						Collection: 9/10/2001		Time: 09:46
Client ID: **010910**								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	9/10/2001	*998410*	
Sample Number: 25813		Matrix: GW						Collection: 9/10/2001		Time: 09:35
Client ID: **010910**								Sample Description: WA05P		
pH (water)	**7.7**	**s.u.**	**#**			150.1	ogtp	9/10/2001	*998410*	
Sample Number: 25816		Matrix: GW						Collection: 9/10/2001		Time: 09:50
Client ID: **010910**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	9/11/2001	*998409*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/21/2001	*998408*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/21/2001	*998406*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	ogtp	9/10/2001	*998410*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010721**
DATE REPORTED:	01-Oct-01
DATE RECEIVED:	10-Sep-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 10/1/01

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010721**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25810
Client ID: 010910

QC Prep Batch Number: 998398

Collection: 9/10/2001 Time: 09:30
Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 11	ug/l	11	35	50		8260	us	/ 9/18/2001
1,1,1-Trichloroethane	120	ug/l	16	49	50		8260	us	/ 9/18/2001
1,1,2,2-Tetrachloroethane	< 22	ug/l	22	70	50		8260	us	/ 9/18/2001
1,1,2-Trichloroethane	< 22	ug/l	22	70	50		8260	us	/ 9/18/2001
1,1-Dichloroethane	< 16	ug/l	16	51	50		8260	us	/ 9/18/2001
1,1-Dichloroethene	< 17	ug/l	17	54	50		8260	us	/ 9/18/2001
1,1-Dichloropropene	< 22	ug/l	22	68	50		8260	us	/ 9/18/2001
1,2,3-Trichlorobenzene	< 25	ug/l	25	80	50		8260	us	/ 9/18/2001
1,2,3-Trichloropropane	< 26	ug/l	26	81	50		8260	us	/ 9/18/2001
1,2,4-Trichlorobenzene	< 24	ug/l	24	75	50		8260	us	/ 9/18/2001
1,2,4-Trimethylbenzene	< 15	ug/l	15	48	50		8260	us	/ 9/18/2001
1,2-Dibromoethane	< 23	ug/l	23	73	50		8260	us	/ 9/18/2001
1,2-Dichlorobenzene	< 17	ug/l	17	54	50		8260	us	/ 9/18/2001
1,2-Dichloroethane	< 18	ug/l	18	56	50		8260	us	/ 9/18/2001
1,2-Dichloropropane	< 16	ug/l	16	51	50		8260	us	/ 9/18/2001
1,3,5-Trimethylbenzene	< 17	ug/l	17	54	50		8260	us	/ 9/18/2001
1,3-Dichlorobenzene	< 13	ug/l	13	41	50		8260	us	/ 9/18/2001
1,3-Dichloropropane	< 20	ug/l	20	62	50		8260	us	/ 9/18/2001
1,4-Dichlorobenzene	< 18	ug/l	18	57	50		8260	us	/ 9/18/2001
12Dibromo-3-chloropropan	< 17	ug/l	17	52	50		8260	us	/ 9/18/2001
2,2-Dichloropropane	< 14	ug/l	14	43	50		8260	us	/ 9/18/2001
2-Butanone (MEK)	< 69	ug/l	69	220	50		8260	us	/ 9/18/2001
2-Chloroethyl Vinyl Ether	< 35	ug/l	35	111	50		8260	us	/ 9/18/2001
2-Chlorotoluene	< 15	ug/l	15	48	50		8260	us	/ 9/18/2001
4-Chlorotoluene	< 13	ug/l	13	41	50		8260	us	/ 9/18/2001
4-Methyl-2-Pentanone	< 40	ug/l	40	127	50		8260	us	/ 9/18/2001
Acetone	< 78	ug/l	78	247	50		8260	us	/ 9/18/2001
Benzene	< 14	ug/l	14	43	50		8260	us	/ 9/18/2001
Bromobenzene	< 16	ug/l	16	49	50		8260	us	/ 9/18/2001
Bromochloromethane	< 19	ug/l	19	59	50		8260	us	/ 9/18/2001
Bromodichloromethane	< 19	ug/l	19	60	50		8260	us	/ 9/18/2001
Bromoform	< 20	ug/l	20	62	50		8260	us	/ 9/18/2001
Bromomethane	< 33	ug/l	33	103	50		8260	us	/ 9/18/2001
Carbon tetrachloride	< 14	ug/l	14	43	50		8260	us	/ 9/18/2001
Chlorobenzene	< 13	ug/l	13	41	50		8260	us	/ 9/18/2001
Chloroethane	< 32	ug/l	32	102	50		8260	us	/ 9/18/2001
Chloroform	< 12	ug/l	12	38	50		8260	us	/ 9/18/2001
Chloromethane	< 25	ug/l	25	78	50		8260	us	/ 9/18/2001
cis-1,2-Dichloroethene	< 14	ug/l	14	43	50		8260	us	/ 9/18/2001
cis-1,3-Dichloropropene	< 19	ug/l	19	59	50		8260	us	/ 9/18/2001
Dibromochloromethane	< 21	ug/l	21	65	50		8260	us	/ 9/18/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010721**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 23	**ug/l**	23	73	50		8260	us	/ 9/18/2001
Dichlorodifluoromethane	< 14	**ug/l**	14	43	50		8260	us	/ 9/18/2001
Ethylbenzene	< 13	**ug/l**	13	40	50		8260	us	/ 9/18/2001
Hexachlorobutadiene	< 21	**ug/l**	21	67	50		8260	us	/ 9/18/2001
Isopropyl Ether	< 15	**ug/l**	15	48	50		8260	us	/ 9/18/2001
Isopropylbenzene	< 17	**ug/l**	17	52	50		8260	us	/ 9/18/2001
m&p-xylene	< 27	**ug/l**	27	84	50		8260	us	/ 9/18/2001
Methyl-t-butyl ether	< 20	**ug/l**	20	62	50		8260	us	/ 9/18/2001
Methylene chloride	< 15	**ug/l**	15	48	50		8260	us	/ 9/18/2001
n-Butylbenzene	< 18	**ug/l**	18	57	50		8260	us	/ 9/18/2001
n-Propylbenzene	< 14	**ug/l**	14	45	50		8260	us	/ 9/18/2001
Naphthalene	< 38	**ug/l**	38	119	50		8260	us	/ 9/18/2001
o-xylene	< 13	**ug/l**	13	40	50		8260	us	/ 9/18/2001
p-Isopropyltoluene	< 16	**ug/l**	16	49	50		8260	us	/ 9/18/2001
sec-Butylbenzene	< 17	**ug/l**	17	54	50		8260	us	/ 9/18/2001
Styrene	< 13	**ug/l**	13	40	50		8260	us	/ 9/18/2001
tert-Butylbenzene	< 15	**ug/l**	15	48	50		8260	us	/ 9/18/2001
Tetrachloroethene	< 16	**ug/l**	16	49	50		8260	us	/ 9/18/2001
Toluene	< 15	**ug/l**	15	46	50		8260	us	/ 9/18/2001
trans-1,2-Dichloroethene	< 13	**ug/l**	13	40	50		8260	us	/ 9/18/2001
trans-1,3-Dichloropropene	< 13	**ug/l**	13	41	50		8260	us	/ 9/18/2001
Trichloroethene	420	**ug/l**	17	54	50		8260	us	/ 9/18/2001
Trichlorofluoromethane	< 12	**ug/l**	12	38	50		8260	us	/ 9/18/2001
Vinyl chloride	< 10	**ug/l**	10	32	50		8260	us	/ 9/18/2001

Sample Number: 25814
Client ID: 010910

QC Prep Batch Number: 998398

Collection: 9/10/2001 Time: 09:37
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	us	/ 9/18/2001
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	us	/ 9/18/2001
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	us	/ 9/18/2001
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	us	/ 9/18/2001
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	us	/ 9/18/2001
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/18/2001
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	us	/ 9/18/2001
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	us	/ 9/18/2001
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	us	/ 9/18/2001
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	us	/ 9/18/2001
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	us	/ 9/18/2001
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	us	/ 9/18/2001
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/18/2001
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	us	/ 9/18/2001
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	us	/ 9/18/2001
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/18/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010721**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/18/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/18/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/18/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/18/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/18/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/18/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/18/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/18/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/18/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/18/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/18/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/18/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/18/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/18/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/18/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/18/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/18/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/18/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/18/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/18/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/18/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/18/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001

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

WDNR# 241340550

BATCH NUMBER: **20010721**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/18/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/18/2001

Sample Number: 25815 QC Prep Batch Number: 998398 Collection: 9/10/2001 Time: 09:39
Client ID: 010910 Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 9/18/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/18/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/18/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/18/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 9/18/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 9/18/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 9/18/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 9/18/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/18/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/18/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/18/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/18/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/18/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/18/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/18/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/18/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/18/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/18/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/18/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/18/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/18/2001

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

WDNR# 241340550

BATCH NUMBER: **20010721**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	0.60	ug/l	0.24	0.76	1	J	8260	us	/ 9/18/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/18/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/18/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/18/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/18/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/18/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/18/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/18/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/18/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/18/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/18/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/18/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/18/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/18/2001

Sample Number: 25816
Client ID: 010910

QC Prep Batch Number: 998398

Collection: 9/10/2001 Time: 09:50
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1	8260	us	/ 9/18/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1	8260	us	/ 9/18/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	us	/ 9/18/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	us	/ 9/18/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1	8260	us	/ 9/18/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	us	/ 9/18/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	us	/ 9/18/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	us	/ 9/18/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	us	/ 9/18/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	us	/ 9/18/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	us	/ 9/18/2001

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

WDNR# 241340550

BATCH NUMBER: **20010721**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/18/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/18/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/18/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/18/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/18/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/18/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/18/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/18/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/18/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/18/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/18/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/18/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/18/2001
Chloroform	0.59	ug/l	0.24	0.76	1	J	8260	us	/ 9/18/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/18/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/18/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/18/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/18/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/18/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/18/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/18/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/18/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/18/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/18/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010721**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/18/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/18/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/18/2001

Sample Number: 25817 QC Prep Batch Number: 998398 Collection: 9/10/2001 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 9/18/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/18/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/18/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/18/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 9/18/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 9/18/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 9/18/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 9/18/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/18/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/18/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/18/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/18/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/18/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/18/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/18/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/18/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/18/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/18/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/18/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010721**
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 11-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/18/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/18/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/18/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/18/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/18/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/18/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/18/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/18/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/18/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/18/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/18/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/18/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/18/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/18/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/18/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/18/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/18/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/18/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/18/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/18/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/18/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/18/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/18/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010721**
DATE REPORTED:	01-Oct-01
DATE RECEIVED:	11-Sep-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 10/1/01

James Chang, Ph.D. , Lab Director

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

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

INORGANIC REPORT

APL INC.

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

WDNR# 241340550

INVOICE NUMBER **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 25884 Matrix: GW
Client ID: **010917**
Collection: 9/17/2001 Time: 10:15
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	9/26/2001	*998457*	
Barium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	9/25/2001	*998462*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb tm	9/26/2001	*998460*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	9/25/2001	*998462*	
Copper- ICAP	**0.007**	**mg/l**	***J*** **RJ**	0.006	0.02	200.7	bb	9/25/2001	*998462*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	9/25/2001	*998462*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb tm	9/26/2001	*998458*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/25/2001	*998462*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	9/21/2001	*998419*	
Nickel - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	bb	9/25/2001	*998462*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	9/25/2001	*998435*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	9/25/2001	*998462*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	10/1/2001	*998490*	*Preliminary Data*
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	9/25/2001	*998462*	

Sample Number: 25885 Matrix: GW
Client ID: **010912**
Collection: 9/12/2001 Time: 09:15
Sample Description: MW14DF

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**7.4**	**ug/l**	***J*** **RJ**	5.6	18	206.2	jb	9/26/2001	*998457*
Barium - ICAP	**0.03**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	9/25/2001	*998462*
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb tm	9/26/2001	*998460*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	9/25/2001	*998462*
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/25/2001	*998462*
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	9/25/2001	*998462*
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb tm	9/26/2001	*998458*
Manganese - ICAP	**0.05**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/25/2001	*998462*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	9/21/2001	*998419*
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	9/25/2001	*998462*
Selenium - Furnace AA	**5.1**	**ug/l**	***J*** **RJ**	4.8	15	270.2	jb	9/25/2001	*998435*
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	9/25/2001	*998462*
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	10/1/2001	*998490*
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	bb	9/25/2001	*998462*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25886 Matrix: GW
Client ID: **010912**
Collection: 9/12/2001 Time: 12:05
Sample Description: MW15DF

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	9/26/2001	998457	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	bb	9/25/2001	998462	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb tm	9/26/2001	998460	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	9/25/2001	998462	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	9/25/2001	998462	
Iron - ICAP	0.1	mg/l	J RJ	0.081	0.26	200.7	bb	9/25/2001	998462	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb tm	9/26/2001	998458	
Manganese - ICAP	0.18	mg/l	RJ	0.006	0.02	200.7	bb	9/25/2001	998462	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/21/2001	998419	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	9/25/2001	998462	
Selenium - Furnace AA	20	ug/l	RJ	4.8	15	270.2	jb	9/25/2001	998435	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	9/25/2001	998462	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/1/2001	998490	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	9/25/2001	998462	

Sample Number: 25887 Matrix: GW
Client ID: **010917**
Collection: 9/17/2001 Time: 10:00
Sample Description: WA01P

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	9/26/2001	998457	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	bb	9/25/2001	998462	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb tm	9/26/2001	998460	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	9/25/2001	998462	
Copper- ICAP	0.006	mg/l	J RJ	0.006	0.02	200.7	bb	9/25/2001	998462	
Iron - ICAP	0.92	mg/l	RJ	0.081	0.26	200.7	bb	9/25/2001	998462	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb tm	9/26/2001	998458	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	bb	9/25/2001	998462	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/21/2001	998419	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	9/25/2001	998462	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	10/1/2001	998498	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	9/25/2001	998462	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/1/2001	998490	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	9/25/2001	998462	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	tm	9/24/2001	*998477*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998475*	
Cyanide, Total	**0.04**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998474*	
pH (water)	**7.1**	**s.u.**	**#**			150.1	ogtp	9/17/2001	*998429*	

Sample Number: 25888 Matrix: GW
Client ID: **010912**
Collection: 9/12/2001 Time: 09:15
Sample Description: MW14DP

Arsenic - Furnace AA	**6.6**	**ug/l**	***J*** **RJ**	5.6	18	206.2	jb	9/26/2001	*998457*	
Barium - ICAP	**0.04**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	9/25/2001	*998462*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb tm	9/26/2001	*998460*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	9/25/2001	*998462*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/25/2001	*998462*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	9/25/2001	*998462*	
Lead - Furnace AA	**2**	**ug/l**	***J*** **RJ**	1.5	4.8	239.2	jb tm	9/26/2001	*998458*	
Manganese - ICAP	**0.04**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/25/2001	*998462*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	9/21/2001	*998419*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	9/25/2001	*998462*	
Selenium - Furnace AA	**18**	**ug/l**	**RJ**	4.8	15	270.2	jb	9/25/2001	*998435*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	9/25/2001	*998462*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	10/1/2001	*998490*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	bb	9/25/2001	*998462*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	tm	9/24/2001	*998477*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998475*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998474*	
pH (water)	**7.1**	**s.u.**	**#**			150.1	ogtp	9/17/2001	*998429*	

Sample Number: 25889 Matrix: GW
Client ID: **010912**
Collection: 9/12/2001 Time: 12:05
Sample Description: MW15DP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	9/26/2001	*998457*	
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	9/25/2001	*998462*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb tm	9/26/2001	*998460*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	9/25/2001	*998462*	
Copper- ICAP	**0.04**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/25/2001	*998462*	
Iron - ICAP	**0.15**	**mg/l**	***J*** **RJ**	0.081	0.26	200.7	bb	9/25/2001	*998462*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb tm	9/26/2001	*998458*	
Manganese - ICAP	**0.23**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	9/25/2001	*998462*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	9/21/2001	*998419*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	9/25/2001	*998462*	
Selenium - Furnace AA	**7.3**	**ug/l**	***J*** **RJ**	4.8	15	270.2	jb	9/25/2001	*998435*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	9/25/2001	*998462*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	10/1/2001	*998490*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	bb	9/25/2001	*998462*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	tm	9/24/2001	*998477*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998475*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998474*	
pH (water)	**6.8**	**s.u.**	**#**			150.1	ogtp	9/17/2001	*998429*	
Sample Number: 25890 Matrix: GW Client ID: **010917**								Collection: 9/17/2001 Time: 10:17 Sample Description: WA02P		
pH (water)	**9.5**	**s.u.**	**#**			150.1	ogtp	9/17/2001	*998429*	
Sample Number: 25891 Matrix: GW Client ID: **010917**								Collection: 9/17/2001 Time: 10:19 Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	9/17/2001	*998429*	
Sample Number: 25892 Matrix: GW Client ID: **010917**								Collection: 9/17/2001 Time: 10:03 Sample Description: WA05P		
pH (water)	**8.2**	**s.u.**	**#**			150.1	ogtp	9/17/2001	*998429*	
Sample Number: 25895 Matrix: GW Client ID: **010917**								Collection: 9/17/2001 Time: 10:10 Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	tm	9/24/2001	*998477*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998475*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998474*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	ogtp	9/17/2001	*998429*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

Approved By: _____ **Date:** _____

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25887
Client ID: 010917

QC Prep Batch Number: 998478

Collection: 9/17/2001 Time: 10:00
Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	20		8260	us	/ 9/24/2001
1,1,1-Trichloroethane	110	ug/l	6.2	20	20		8260	us	/ 9/24/2001
1,1,2,2-Tetrachloroethane	< 8.8	ug/l	8.8	28	20		8260	us	/ 9/24/2001
1,1,2-Trichloroethane	< 8.8	ug/l	8.8	28	20		8260	us	/ 9/24/2001
1,1-Dichloroethane	18	ug/l	6.4	20	20	J	8260	us	/ 9/24/2001
1,1-Dichloroethene	< 6.8	ug/l	6.8	22	20		8260	us	/ 9/24/2001
1,1-Dichloropropene	< 8.6	ug/l	8.6	27	20		8260	us	/ 9/24/2001
1,2,3-Trichlorobenzene	< 10	ug/l	10	32	20		8260	us	/ 9/24/2001
1,2,3-Trichloropropane	< 10	ug/l	10	32	20		8260	us	/ 9/24/2001
1,2,4-Trichlorobenzene	< 9.4	ug/l	9.4	30	20		8260	us	/ 9/24/2001
1,2,4-Trimethylbenzene	< 6.0	ug/l	6.0	19	20		8260	us	/ 9/24/2001
1,2-Dibromoethane	< 9.2	ug/l	9.2	29	20		8260	us	/ 9/24/2001
1,2-Dichlorobenzene	< 6.8	ug/l	6.8	22	20		8260	us	/ 9/24/2001
1,2-Dichloroethane	< 7.0	ug/l	7.0	22	20		8260	us	/ 9/24/2001
1,2-Dichloropropane	< 6.4	ug/l	6.4	20	20		8260	us	/ 9/24/2001
1,3,5-Trimethylbenzene	< 6.8	ug/l	6.8	22	20		8260	us	/ 9/24/2001
1,3-Dichlorobenzene	< 5.2	ug/l	5.2	17	20		8260	us	/ 9/24/2001
1,3-Dichloropropane	< 7.8	ug/l	7.8	25	20		8260	us	/ 9/24/2001
1,4-Dichlorobenzene	< 7.2	ug/l	7.2	23	20		8260	us	/ 9/24/2001
12Dibromo-3-chloropropan	< 6.6	ug/l	6.6	21	20		8260	us	/ 9/24/2001
2,2-Dichloropropane	< 5.4	ug/l	5.4	17	20		8260	us	/ 9/24/2001
2-Butanone (MEK)	< 28	ug/l	28	88	20		8260	us	/ 9/24/2001
2-Chloroethyl Vinyl Ether	< 14	ug/l	14	45	20		8260	us	/ 9/24/2001
2-Chlorotoluene	< 6.0	ug/l	6.0	19	20		8260	us	/ 9/24/2001
4-Chlorotoluene	< 5.2	ug/l	5.2	17	20		8260	us	/ 9/24/2001
4-Methyl-2-Pentanone	< 16	ug/l	16	51	20		8260	us	/ 9/24/2001
Acetone	< 31	ug/l	31	99	20		8260	us	/ 9/24/2001
Benzene	< 5.4	ug/l	5.4	17	20		8260	us	/ 9/24/2001
Bromobenzene	< 6.2	ug/l	6.2	20	20		8260	us	/ 9/24/2001
Bromochloromethane	< 7.4	ug/l	7.4	24	20		8260	us	/ 9/24/2001
Bromodichloromethane	< 7.6	ug/l	7.6	24	20		8260	us	/ 9/24/2001
Bromoform	< 7.8	ug/l	7.8	25	20		8260	us	/ 9/24/2001
Bromomethane	< 13	ug/l	13	41	20		8260	us	/ 9/24/2001
Carbon tetrachloride	< 5.4	ug/l	5.4	17	20		8260	us	/ 9/24/2001
Chlorobenzene	< 5.2	ug/l	5.2	17	20		8260	us	/ 9/24/2001
Chloroethane	< 13	ug/l	13	41	20		8260	us	/ 9/24/2001
Chloroform	< 4.8	ug/l	4.8	15	20		8260	us	/ 9/24/2001
Chloromethane	< 9.8	ug/l	9.8	31	20		8260	us	/ 9/24/2001
cis-1,2-Dichloroethene	33	ug/l	5.4	17	20		8260	us	/ 9/24/2001
cis-1,3-Dichloropropene	< 7.4	ug/l	7.4	24	20		8260	us	/ 9/24/2001
Dibromochloromethane	< 8.2	ug/l	8.2	26	20		8260	us	/ 9/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<9.2	ug/l	9.2	29	20		8260	us	/ 9/24/2001
Dichlorodifluoromethane	<5.4	ug/l	5.4	17	20		8260	us	/ 9/24/2001
Ethylbenzene	<5.0	ug/l	5.0	16	20		8260	us	/ 9/24/2001
Hexachlorobutadiene	<8.4	ug/l	8.4	27	20		8260	us	/ 9/24/2001
Isopropyl Ether	<6.0	ug/l	6.0	19	20		8260	us	/ 9/24/2001
Isopropylbenzene	<6.6	ug/l	6.6	21	20		8260	us	/ 9/24/2001
m&p-xylene	<11	ug/l	11	34	20		8260	us	/ 9/24/2001
Methyl-t-butyl ether	<7.8	ug/l	7.8	25	20		8260	us	/ 9/24/2001
Methylene chloride	<6.0	ug/l	6.0	19	20		8260	us	/ 9/24/2001
n-Butylbenzene	<7.2	ug/l	7.2	23	20		8260	us	/ 9/24/2001
n-Propylbenzene	<5.6	ug/l	5.6	18	20		8260	us	/ 9/24/2001
Naphthalene	<15	ug/l	15	48	20		8260	us	/ 9/24/2001
o-xylene	<5.0	ug/l	5.0	16	20		8260	us	/ 9/24/2001
p-Isopropyltoluene	<6.2	ug/l	6.2	20	20		8260	us	/ 9/24/2001
sec-Butylbenzene	<6.8	ug/l	6.8	22	20		8260	us	/ 9/24/2001
Styrene	<5.0	ug/l	5.0	16	20		8260	us	/ 9/24/2001
tert-Butylbenzene	<6.0	ug/l	6.0	19	20		8260	us	/ 9/24/2001
Tetrachloroethene	<6.2	ug/l	6.2	20	20		8260	us	/ 9/24/2001
Toluene	<5.8	ug/l	5.8	18	20		8260	us	/ 9/24/2001
trans-1,2-Dichloroethene	8.8	ug/l	5.0	16	20	J	8260	us	/ 9/24/2001
trans-1,3-Dichloropropene	<5.2	ug/l	5.2	17	20		8260	us	/ 9/24/2001
Trichloroethene	400	ug/l	6.8	22	20		8260	us	/ 9/24/2001
Trichlorofluoromethane	<4.8	ug/l	4.8	15	20		8260	us	/ 9/24/2001
Vinyl chloride	<4.0	ug/l	4.0	13	20		8260	us	/ 9/24/2001

Sample Number: 25888
Client ID: 010912

QC Prep Batch Number: 998478

Collection: 9/12/2001 Time: 09:15
Sample Description: MW14DP

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	us	/ 9/24/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	us	/ 9/24/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	us	/ 9/24/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	us	/ 9/24/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	us	/ 9/24/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	us	/ 9/24/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	us	/ 9/24/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	us	/ 9/24/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	us	/ 9/24/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/24/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/24/2001

Sample Number: 25889 QC Prep Batch Number: 998478 Collection: 9/12/2001 Time: 12:05
Client ID: 010912 Sample Description: MW15DP

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 9/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 9/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 9/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 9/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 9/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Chlorobenzene	4.3	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/. 9/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/24/2001
cis-1,2-Dichloroethene	3.4	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/24/2001
Methyl-t-butyl ether	0.81	ug/l	0.39	1.2	1	J	8260	us	/ 9/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/24/2001
trans-1,2-Dichloroethene	0.42	ug/l	0.25	0.80	1	J	8260	us	/ 9/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Trichloroethene	27	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/24/2001

Sample Number: 25893
Client ID: 010917

QC Prep Batch Number: 998478

Collection: 9/17/2001 Time: 10:05
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1	8260	us	/ 9/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1	8260	us	/ 9/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	us	/ 9/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	us	/ 9/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1	8260	us	/ 9/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	us	/ 9/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	us	/ 9/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	us	/ 9/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	us	/ 9/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	us	/ 9/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	us	/ 9/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/24/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	us	/ 9/24/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	us	/ 9/24/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	us	/ 9/24/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	us	/ 9/24/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	us	/ 9/24/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	us	/ 9/24/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/24/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	us	/ 9/24/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	us	/ 9/24/2001

Sample Number: 25894
Client ID: 010917

QC Prep Batch Number: 998478

Collection: 9/17/2001 Time: 10:07
Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	us	/ 9/24/2001
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	us	/ 9/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	us	/ 9/24/2001
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	us	/ 9/24/2001
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	us	/ 9/24/2001
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/24/2001
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	us	/ 9/24/2001
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	us	/ 9/24/2001
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	us	/ 9/24/2001
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	us	/ 9/24/2001
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	us	/ 9/24/2001
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	us	/ 9/24/2001
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	us	/ 9/24/2001
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	us	/ 9/24/2001
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	us	/ 9/24/2001
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	us	/ 9/24/2001
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	us	/ 9/24/2001
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	us	/ 9/24/2001
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	us	/ 9/24/2001
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	us	/ 9/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	us	/ 9/24/2001
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	us	/ 9/24/2001
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	us	/ 9/24/2001
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	us	/ 9/24/2001
Acetone	< 1.6	**ug/l**	1.6	4.9	1		8260	us	/ 9/24/2001
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	us	/ 9/24/2001
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	us	/ 9/24/2001
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	us	/ 9/24/2001
Bromodichloromethane	< 0.38	**ug/l**	0.38	1.2	1		8260	us	/ 9/24/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Chloroethane	0.90	ug/l	0.64	2.0	1	J	8260	us	/ 9/24/2001
Chloroform	0.72	ug/l	0.24	0.76	1	J	8260	us	/ 9/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/24/2001

Sample Number: 25895
Client ID: 010917

QC Prep Batch Number: 998478

Collection: 9/17/2001 Time: 10:10
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 9/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001

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

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 9/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 9/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 9/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 9/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/24/2001
Chloroform	0.61	ug/l	0.24	0.76	1	J	8260	us	/ 9/24/2001
Chloromethane	1.1	ug/l	0.49	1.6	1	J	8260	us	/ 9/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/24/2001

Sample Number: 25896
Client ID: TRIP BLANK

QC Prep Batch Number: 998478

Collection: 9/17/2001 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 9/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 9/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 9/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 9/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 9/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 9/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 9/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 9/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
2,2-Dichloropropane	< 0 27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 9/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 9/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 9/24/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010738**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 17-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 9/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 9/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 9/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 9/24/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 9/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 9/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 9/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 9/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 9/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 9/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 9/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 9/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 9/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 9/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 9/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 9/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 9/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 9/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 9/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 9/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 9/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 9/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 9/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 9/24/2001

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

WDNR# 241340550

BATCH NUMBER:	**20010738**
DATE REPORTED:	15-Oct-01
DATE RECEIVED:	17-Sep-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 10/15/01

James Chang, Ph.D. , Lab Director

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

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

INORGANIC REPORT

APL INC

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

WDNR# 241340550

INVOICE NUMBER **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 25976 Matrix: GW
Client ID: **WA09R**
Collection: 9/24/2001 Time: 11:48
Sample Description: 010924

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	9/26/2001	998457	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	bb	10/1/2001	998492	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb tm	9/26/2001	998460	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	10/1/2001	998492	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	10/1/2001	998492	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	10/1/2001	998492	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb tm	9/26/2001	998458	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	10/1/2001	998492	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/29/2001	998482	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	10/1/2001	998492	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	10/1/2001	998498	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	10/1/2001	998492	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/1/2001	998490	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	10/1/2001	998492	

Sample Number: 25977 Matrix: GW
Client ID: **WA01P**
Collection: 9/24/2001 Time: 11:50
Sample Description: 010924

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	10/2/2001	998502	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	bb	10/1/2001	998492	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb tm	9/26/2001	998460	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	10/1/2001	998492	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	10/1/2001	998492	
Iron - ICAP	0.97	mg/l	RJ	0.081	0.26	200.7	bb	10/1/2001	998492	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	10/2/2001	998515	
Manganese - ICAP	0.14	mg/l	RJ	0.006	0.02	200.7	bb	10/1/2001	998492	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	9/29/2001	998482	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	10/1/2001	998492	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	10/1/2001	998498	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	10/1/2001	998492	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/1/2001	998490	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	10/1/2001	998492	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	9/27/2001	*998518*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998475*	
Cyanide, Total	**0.01**	**mg/l**	***J* RJ**	0.006	0.02	335.2	bb	9/26/2001	*998474*	
pH (water)	**6.9**	**s.u.**	**#**			150.1	ogtp	9/24/2001	*998429*	
Sample Number: 25978 Matrix: GW Client ID: **WA02P**								Collection: 9/24/2001 Time: 11:54 Sample Description: 010924		
pH (water)	**9.9**	**s.u.**	**#**			150.1	ogtp	9/24/2001	*998429*	
Sample Number: 25979 Matrix: GW Client ID: **WA03P**								Collection: 9/24/2001 Time: 11:56 Sample Description: 010924		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	9/24/2001	*998429*	
Sample Number: 25980 Matrix: GW Client ID: **WA05P**								Collection: 9/24/2001 Time: 11:58 Sample Description: 010924		
pH (water)	**7.8**	**s.u.**	**#**			150.1	ogtp	9/24/2001	*998429*	
Sample Number: 25984 Matrix: GW Client ID: **WA09P**								Collection: 9/24/2001 Time: 11:45 Sample Description: 010924		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	9/27/2001	*998518*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998475*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	9/26/2001	*998474*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	ogtp	9/24/2001	*998429*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010764**
DATE REPORTED:	03-Oct-01
DATE RECEIVED:	24-Sep-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 10/3/01

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 25977
Client ID: WA01P

QC Prep Batch Number: 998471

Collection: 9/24/2001 Time: 11:50
Sample Description: 010924

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	QH	9/27/2001 / 9/27/2001
1,1,1-Trichloroethane	< 1.6	ug/l	1.6	4.9	5		8260	QH	9/27/2001 / 9/27/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	QH	9/27/2001 / 9/27/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethane	12	ug/l	1.6	5.1	5		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	QH	9/27/2001 / 9/27/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	QH	9/27/2001 / 9/27/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	9/27/2001 / 9/27/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	QH	9/27/2001 / 9/27/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	QH	9/27/2001 / 9/27/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	QH	9/27/2001 / 9/27/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	QH	9/27/2001 / 9/27/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	QH	9/27/2001 / 9/27/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	QH	9/27/2001 / 9/27/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	QH	9/27/2001 / 9/27/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	QH	9/27/2001 / 9/27/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	QH	9/27/2001 / 9/27/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	QH	9/27/2001 / 9/27/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	QH	9/27/2001 / 9/27/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	QH	9/27/2001 / 9/27/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	QH	9/27/2001 / 9/27/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	QH	9/27/2001 / 9/27/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	QH	9/27/2001 / 9/27/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	QH	9/27/2001 / 9/27/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	QH	9/27/2001 / 9/27/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	QH	9/27/2001 / 9/27/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	QH	9/27/2001 / 9/27/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	QH	9/27/2001 / 9/27/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	QH	9/27/2001 / 9/27/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	QH	9/27/2001 / 9/27/2001
cis-1,2-Dichloroethene	34	ug/l	1.4	4.3	5		8260	QH	9/27/2001 / 9/27/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	QH	9/27/2001 / 9/27/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	QH	9/27/2001 / 9/27/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	QH	9/27/2001 / 9/27/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	QH	9/27/2001 / 9/27/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	QH	9/27/2001 / 9/27/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	QH	9/27/2001 / 9/27/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	QH	9/27/2001 / 9/27/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	QH	9/27/2001 / 9/27/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	QH	9/27/2001 / 9/27/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	QH	9/27/2001 / 9/27/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	QH	9/27/2001 / 9/27/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	QH	9/27/2001 / 9/27/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	QH	9/27/2001 / 9/27/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	QH	9/27/2001 / 9/27/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	QH	9/27/2001 / 9/27/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	QH	9/27/2001 / 9/27/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	9/27/2001 / 9/27/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	QH	9/27/2001 / 9/27/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	QH	9/27/2001 / 9/27/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	QH	9/27/2001 / 9/27/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	QH	9/27/2001 / 9/27/2001
trans-1,2-Dichloroethene	6.2	ug/l	1.3	4.0	5		8260	QH	9/27/2001 / 9/27/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	QH	9/27/2001 / 9/27/2001
Trichloroethene	392	ug/l	1.7	5.4	5		8260	QH	9/27/2001 / 9/27/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	QH	9/27/2001 / 9/27/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	QH	9/27/2001 / 9/27/2001

Sample Number: 25981
Client ID: WA07P

QC Prep Batch Number: 998471

Collection: 9/24/2001 Time: 12:00
Sample Description: 010924

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	QH	9/27/2001 / 9/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	QH	9/27/2001 / 9/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	9/27/2001 / 9/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	QH	9/27/2001 / 9/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	QH	9/27/2001 / 9/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	QH	9/27/2001 / 9/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	QH	9/27/2001 / 9/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	QH	9/27/2001 / 9/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	QH	9/27/2001 / 9/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	QH	9/27/2001 / 9/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	QH	9/27/2001 / 9/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	QH	9/27/2001 / 9/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	QH	9/27/2001 / 9/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	9/27/2001 / 9/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	QH	9/27/2001 / 9/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	QH	9/27/2001 / 9/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	QH	9/27/2001 / 9/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	9/27/2001 / 9/27/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	QH	9/27/2001 / 9/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	QH	9/27/2001 / 9/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	9/27/2001 / 9/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	9/27/2001 / 9/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	9/27/2001 / 9/27/2001

Sample Number: 25982
Client ID: WA08P

QC Prep Batch Number: 998471

Collection: 9/24/2001 Time: 12:03
Sample Description: 010924

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	QH	9/27/2001 / 9/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	QH	9/27/2001 / 9/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	9/27/2001 / 9/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	QH	9/27/2001 / 9/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	QH	9/27/2001 / 9/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	QH	9/27/2001 / 9/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	QH	9/27/2001 / 9/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	QH	9/27/2001 / 9/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	QH	9/27/2001 / 9/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	QH	9/27/2001 / 9/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	QH	9/27/2001 / 9/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	QH	9/27/2001 / 9/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	QH	9/27/2001 / 9/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	9/27/2001 / 9/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	QH	9/27/2001 / 9/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	QH	9/27/2001 / 9/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	QH	9/27/2001 / 9/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	9/27/2001 / 9/27/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	QH	9/27/2001 / 9/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	QH	9/27/2001 / 9/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	9/27/2001 / 9/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	9/27/2001 / 9/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	9/27/2001 / 9/27/2001

Sample Number: 25983
Client ID: TRIP BLANK

QC Prep Batch Number: 998471

Collection: 9/24/2001 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	QH	9/27/2001 / 9/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	QH	9/27/2001 / 9/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	9/27/2001 / 9/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	QH	9/27/2001 / 9/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	QH	9/27/2001 / 9/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	QH	9/27/2001 / 9/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	QH	9/27/2001 / 9/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	QH	9/27/2001 / 9/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	QH	9/27/2001 / 9/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	QH	9/27/2001 / 9/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	QH	9/27/2001 / 9/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	QH	9/27/2001 / 9/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	QH	9/27/2001 / 9/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	9/27/2001 / 9/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	QH	9/27/2001 / 9/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	QH	9/27/2001 / 9/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	QH	9/27/2001 / 9/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	9/27/2001 / 9/27/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	QH	9/27/2001 / 9/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	QH	9/27/2001 / 9/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001

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

WDNR# 241340550

BATCH NUMBER: **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	9/27/2001 / 9/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	9/27/2001 / 9/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	9/27/2001 / 9/27/2001

Sample Number: 25984
Client ID: WA09P

QC Prep Batch Number: 998471

Collection: 9/24/2001 Time: 11:45
Sample Description: 010924

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	QH	9/27/2001 / 9/27/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	QH	9/27/2001 / 9/27/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	QH	9/27/2001 / 9/27/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	QH	9/27/2001 / 9/27/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	9/27/2001 / 9/27/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	QH	9/27/2001 / 9/27/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	QH	9/27/2001 / 9/27/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	QH	9/27/2001 / 9/27/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	QH	9/27/2001 / 9/27/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	QH	9/27/2001 / 9/27/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	QH	9/27/2001 / 9/27/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010764**
DATE REPORTED: 03-Oct-01
DATE RECEIVED: 24-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	QH	9/27/2001 / 9/27/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	QH	9/27/2001 / 9/27/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	QH	9/27/2001 / 9/27/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	QH	9/27/2001 / 9/27/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	QH	9/27/2001 / 9/27/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	9/27/2001 / 9/27/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	QH	9/27/2001 / 9/27/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	QH	9/27/2001 / 9/27/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	QH	9/27/2001 / 9/27/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	QH	9/27/2001 / 9/27/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	QH	9/27/2001 / 9/27/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	9/27/2001 / 9/27/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	QH	9/27/2001 / 9/27/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	QH	9/27/2001 / 9/27/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	9/27/2001 / 9/27/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	9/27/2001 / 9/27/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	9/27/2001 / 9/27/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	9/27/2001 / 9/27/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	9/27/2001 / 9/27/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	9/27/2001 / 9/27/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	9/27/2001 / 9/27/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	9/27/2001 / 9/27/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010764**
DATE REPORTED:	03-Oct-01
DATE RECEIVED:	24-Sep-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 10/3/01

James Chang, Ph.D. , Lab Director

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

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

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- Analytical Report -

Project Name : OGTP

Project Number :

Client : US ARMY CORPS OF ENGINEERS

Report Date : 9/21/01

WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
912938-001	0109 05 WA09PQ	9/5/01			
912938-002	0109 05 WA09PQ	9/5/01			
912938-003	TRIP BLANK	9/5/01			

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.

Todd Holtemeyer
Approval Signature

9/21/01
Date

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- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0109 05 WA09PQ
Lab Sample Number : 912938-001
Lab Project Number : 912938

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/01
Collection Date : 9/5/01
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	< 12	12	38		ug/L		9/5/01	EPA 345.1	EPA 345.1
Cyanide, free	< 0.0021	0.0021	0.0067		mg/L		9/11/01	EPA 335.4	EPA 335.4
Cyanide, total	< 0.0021	0.0021	0.0067		mg/L		9/11/01	EPA 335.4	EPA 335.4

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- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0109 05 WA09PQ
Lab Sample Number : 912938-002
Lab Project Number : 912938

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/01
Collection Date : 9/5/01
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	0.53	0.28	0.89		ug/L	Q	9/18/01	SW846 3015	SW846 6020
Barium	8.7	0.18	0.57		ug/L		9/18/01	SW846 3015	SW846 6020
Cadmium	< 0.19	0.19	0.61		ug/L		9/18/01	SW846 3015	SW846 6020
Cadmium - Recoverable	< 0.69	0.69	2.2		ug/L		9/17/01	SW846 3005A	SW846 6010B
Chromium	2.2	0.21	0.67		ug/L		9/18/01	SW846 3015	SW846 6020
Copper	1.7	0.62	2.0		ug/L	QA(0.86)	9/18/01	SW846 3015	SW846 6020
Iron	< 29	29	92		ug/L		9/18/01	SW846 3015	SW846 6020
Lead	< 0.19	0.19	0.61		ug/L		9/18/01	SW846 3015	SW846 6020
Manganese	7.7	0.19	0.61		ug/L	A(1.0)	9/18/01	SW846 3015	SW846 6020
Mercury	< 0.14	0.14	0.45		ug/L	N	9/21/01	SW846 3005A	SW846 6020
Nickel	9.2	0.51	1.6		ug/L		9/18/01	SW846 3015	SW846 6020
Selenium	< 0.97	0.97	3.1		ug/L		9/18/01	SW846 3015	SW846 6020
Silver	< 0.18	0.18	0.57		ug/L	*	9/18/01	SW846 3015	SW846 6020
Thallium	< 0.13	0.13	0.41		ug/L		9/18/01	SW846 3015	SW846 6020
Zinc	< 5.0	5.0	16		ug/L		9/18/01	SW846 3015	SW846 6020
COD	< 2.9	2.9	9.2		mg/L		9/14/01	EPA 410.4	EPA 410.4
Nitrogen, ammonia	0.30	0.060	0.19		mg/L	A(0.10)	9/12/01	EPA 350.1	EPA 350.1
Nitrogen, NO3 + NO2	1.3	0.014	0.045		mg/L		9/6/01	EPA 353.2	EPA 353.2
Phosphorus, total	< 0.097	0.097	0.31		mg/L		9/10/01	EPA 365.1	EPA 365.1
Solids, total suspended	6.0	3.4	11		mg/L	Q	9/10/01	EPA 160.2	EPA 160.2

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Inorganic Data Qualifier Sheet

A	Analyte is detected in the method blank, see Form 3. Method blank criteria is evaluated to the laboratory MDL or LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
AI	Due to the matrix of this sample the alternate isotope was used for analysis.
B	The analyte has been detected between the Method Detection Limit (MDL) and Method Reporting Limit (MRL). The results are qualified due to the uncertainty of analyte concentrations within this range.
BB	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
BD	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BI	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BL	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BX	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
DA	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
DF	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria. (See Sample Narrative).
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 concentration is greater than 50 times the IDL (100 times the IDL for analysis done on the ICP-MS). The result was flagged with the E qualifier to indicate that a physical interference was observed.
ED	Elevated detection limit due to matrix effects.
G	Unable to determine precision due to matrix interference.
H(n)	Analysis performed *n* days past holding time (See Sample Narrative).
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
LV	Elevated detection limit due to low sample volume.
MS	Either the matrix spike or matrix spike duplicate was outside of the acceptable control limits. The Laboratory Control Sample was within the acceptable control limits.
N	Spiked sample recovery not within control limits; post-digestion spike recovery accepted.
NP	Digested and post-digested spike recoveries fail accuracy control limits.
NR	Not required.
Q	The analyte has been detected between the Limit of Detection (LOD) and Limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
SUB1	Assay was subcontracted to an approved lab.
SUB2	Assay was subcontracted to En Chem Green Bay WI Cert. # : 405132750.
U	Analyte result is not detected.
UN	Unable to preserve sample due to matrix.
X	See sample narrative.
*	Duplicate analyses not within control limits.
&	Laboratory Control Spike recovery not within control limits.

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- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : 0109 05 WA09PQ
Lab Sample Number : 912938-001
Lab Project Number : 912938

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/01
Collection Date : 9/5/01
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		9/6/01	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		9/6/01	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		9/6/01	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		9/6/01	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		9/6/01	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		9/6/01	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		9/6/01	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		9/6/01	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		9/6/01	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		9/6/01	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		9/6/01	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		9/6/01	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		9/6/01	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		9/6/01	SW846 8260B

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- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : TRIP BLANK
Lab Sample Number : 912938-003
Lab Project Number : 912938

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 9/21/01
Collection Date : 9/5/01
Matrix Type : BLANK
WI DNR LAB ID : 113172950

Volatile Organic Results

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

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		9/6/01	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		9/6/01	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		9/6/01	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		9/6/01	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		9/6/01	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		9/6/01	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		9/6/01	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		9/6/01	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		9/6/01	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		9/6/01	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		9/6/01	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		9/6/01	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		9/6/01	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		9/6/01	SW846 8260B