MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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8222 West Calumet Road
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May 15, 2002

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for April, 2002. The OEGTP is located at the site of the former Oconomowoc Electroplating Company, in Ashippun, WI.

Laboratory results of effluent sampling can be found in the Discharge Monitoring Report Form, sent under separate cover. The effluent sampling was conducted by Dean Groleau of APL, Inc. Laboratory analysis was provided by APL, Inc., 8222 W. Calumet Road, Milwaukee, WI 53223 and Test America, Inc., 602 Commerce Drive, Watertown, WI 53094. 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 (651) 290-5429, Fax (651) 290-5258. 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 iron bacteria, 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.

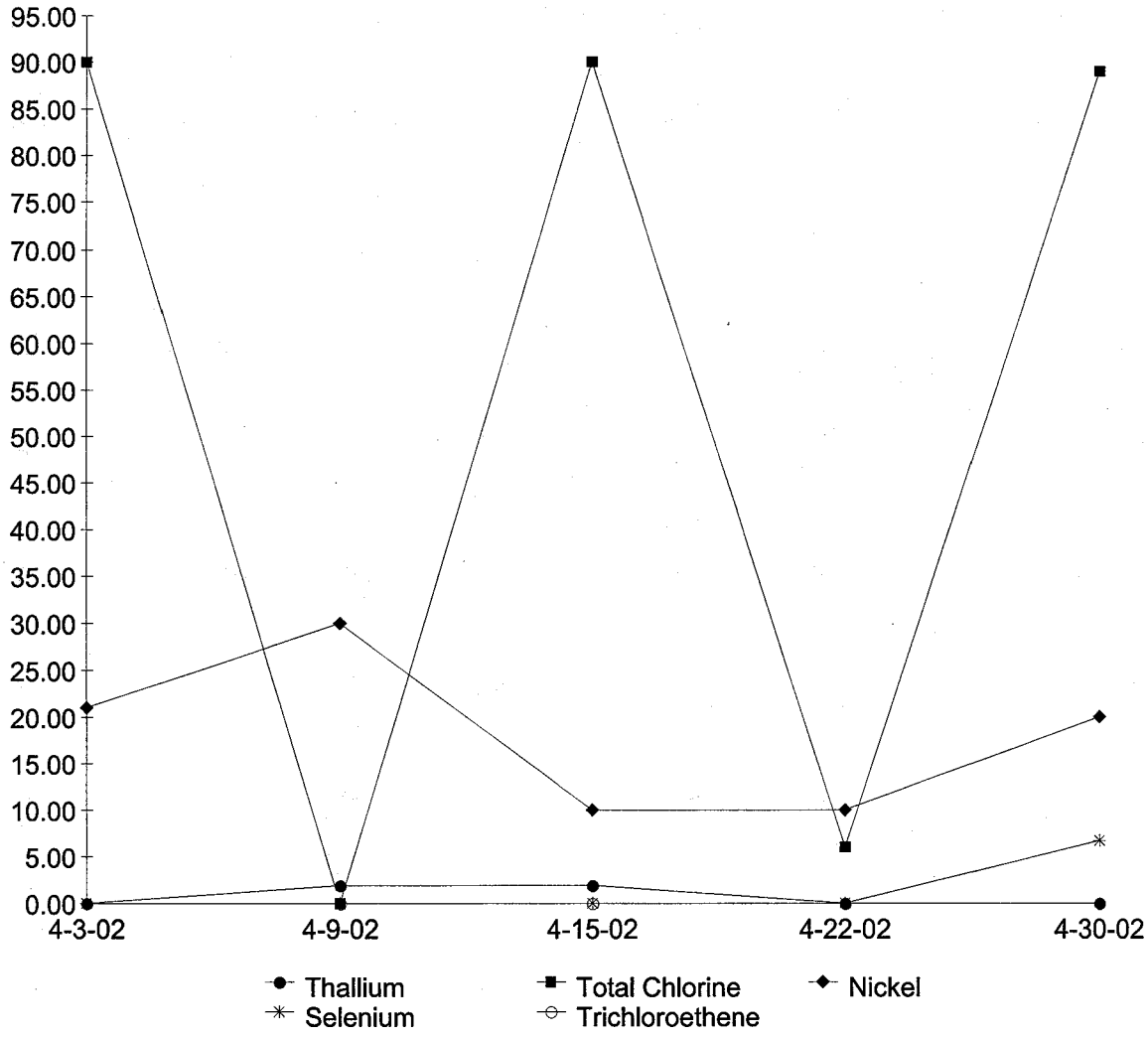
1.3 Effluent Monitoring

Weekly monitoring was conducted on April 3, 8, 15, 22, and 30. The weekly samples for April were tested by APL, Inc. The April 3 samples were tested by Test America, Inc. located in Watertown, WI. The results of the effluent monitoring tests for the samples taken in April showed 2 exceedences of Nickel, 3 exceedences of Total Chlorine, 1 exceedence of Lead, and 2 exceedences of Thallium from 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 Monitoring

Another round of Monitoring Well sampling was conducted on April 10, 11, and 12. 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 April, 2002, showed exceedences of Nickel, Chlorine, Lead, and Thallium from the WDNR effluent discharge permit. Paul Kozol, Project Manager from the WDNR, was notified about the exceedences of Nickel from the April 3 and 9 samplings. The April 3 result of Nickel was 21 ug/l and the April 9 result of Nickel was 30 ug/l. The permit limit for Nickel is 20 ug/l. Mr. Kozol allowed the treatment plant to continue operating based on the "Shutting Down of the Metals Package" for the Pilot Study. Mr. Kozol, stated that "if the results doubles the Preventative Action Limit (PAL), then more drastic measures will need to be taken.

The results of the April 9 and 15 weekly sampling rounds showed exceedences in Thallium of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*. Paul Kozol, Project Manager from the WDNR, was notified about the exceedences of Thallium from the April 9 sampling. The April 9 and 15 Thallium results were 1.9 ug/l and the permit limit is 0.4 ug/l. Mr. Kozol allowed the treatment plant to continue operating due to the result is between the lab's "Level of Detection" (1.3 ug/l) and the "Level of Quantitation" (4.1 ug/l). If the exceedences of Thallium becomes a trend, then more drastic measures will need to be taken.

Paul Kozol, Project Manager from the WDNR, was notified about the exceedences of Total Chlorine from the April 3, 15, and 30 samplings. The April 3 and 15 results for the weekly average of Total Chlorine were 90 ug/l and, for April 30, was 89 ug/l. The permit limit for Total Chlorine is 38 ug/l. Mr. Kozol allowed the treatment plant to continue operating based on the "Shutting Down of the Metals Package" for the Pilot Study. The operators are in the process of setting up a Sodium Bi-Sulfite injection system to aid in reducing the Total Chlorine in the effluent.

Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Lead from the April 22 sampling. The April 22 result of Lead was 6 ug/l. The permit limit for Lead is 1.5 ug/l. Mr. Kozol had the April 22 sample re-tested for Lead and the result was <1.5 ug/l. Mr. Kozol allowed the treatment plant to continue operating based on the "Shutting Down of the Metals Package" for the Pilot Study.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down three times for a total of 26.17 hours in April, 2002. The shut downs were due to a High Diffused Air Stripper Sump Level, for Wisconsin Electric to Install a New Power Line, and due to the Extraction Well Pumps Were Left Off. Table 1 shows the summary of the plant down times for the month of April, 2002.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
4-8-02	3	Shut Down Due to a High Diffused Air Stripper Level
4-25-02	2	Shut Down for Wisconsin Electric to Install a New Power Line
4-27&28-02	21.17	Shut Down Due to Extraction Well Pumps Were Left Off
TOTAL	**26.17**	

3.1 Shut Down Due to a High Diffused Air Stripper Level

On April 8, the treatment plant was discovered to be shut down upon the arrival of the operator for the work day. After an initial inspection, the Treatment System Feed Pump (TFP-110) had a lockout reset performed and the treatment plant was restarted. Once the flow reached the Bag Filtration System (BF-640/641), it was discovered that the lead Bag Filter (BF-640) was clogged. The level in the Diffused Air Stripper (DAS-500) sump was backing up and had reached the 85% mark. (If the level in the DAS-500 sump reaches 95%, the high high level alarm will shut down the treatment plant.) BF-640 was rotated out of line and the lag Bag Filter (BF-641) was put in the lead position. The level in DAS-500 returned to normal (60%) and the treatment plant returned to normal operating parameters. Total down time was 3 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

3.2 Shut Down for Wisconsin Electric to Install a New Power Line

On April 25, at 8 A.M., Wisconsin Electric shut down the power to the treatment plant so that they could change out a power line for the town. At 10:00 A.M. the power to the building was

reactivated. Total down time was 2 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

3.3 Shut Down due to Extraction Well Pumps Were Left Off

On April 28, the treatment plant was discovered to be shut down upon the arrival of the operator for the work day. The week end operator had forgotten to restart the Extraction Well Pumps (EW-1/2/3/4/5) after taking his readings on April 27. The treatment plant shut down automatically after the level in the Equalization Tank (EQT-100) dropped below 25%. The EQT-100 level dropped below 25% at 1:50 P.M on April 27 and the treatment plant remained shut down until the EQT-100 level raised above 55%. The treatment plant operator activated the EW's at 6:25 A.M. on April 28 and EQT-100 raised above 55% at 11:00 A.M. Total downtime was 21.17 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 not operated during the month of April, 2002. There are no filter press loads of dewatered sludge in the hopper at the end of April, 2002.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on April 3, 8, 15, 22, and 30 of 2002. Another round of Monitoring Wells' samplings were conducted in April, 2002. The laboratory results of these samples showed that there were exceedences in Nickel, Total Chlorine, Lead, and Thallium from 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 April, 2002, the plant was shut down three times for a total of 26.17 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 May 15, 2002.

The Sludge Filter Press (FP-800) was not operated during the month of April, 2002. There are no filter press loads of dewatered sludge in the hopper at the end of April, 2002.

On January 21, the EPA's Pilot Study was initiated. The Metals Package was by-passed. The Sodium Hypochlorite System was rerouted to the Equalization Tank (EQT-100) to kill off the Iron Bacteria that was seen throughout the treatment system. The April sampling results, also, include the sampling periods that were performed for the Pilot Study. Several bacterial testings were conducted to confirm that Iron Bacteria was present and that the Sodium Hypochlorite was killing it off (*the results are included with this report*). Daily testing for Total Chlorine in the effluent is performed to monitor it's removal efficiency. The Pilot Study was completed on April 14.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL				Date:	(ug/l) April 2002	
Parameter	MW01DP	MW02SP	MW03DP	MW04DP	MW09SP	
pH	NT	DRY	6.81	NT	7.07	
Conductivity	NT	NT	951	NT	998	uMHOS/CM
Arsenic	NT	NT	<5.6/<5.6	NT	<5.6/<5.6	
Barium	NT	NT	90/80	NT	110/100	
Cadmium	NT	NT	0.51/<0.4	NT	0.42/<0.4	
Cadmium Total Recoverable	NT	NT	0.51/<0.4	NT	0.42/<0.4	
Chromium +6	NT	NT	<4.2	NT	<4.2	
Chromium Total	NT	NT	<8/<8	NT	20/<8	
Copper	NT	NT	<6/<6	NT	<6/<6	
Iron	NT	NT	1600/430	NT	2000/<0.81	
Lead	NT	NT	<1.5/<1.5	NT	<1.5/<1.5	
Manganese	NT	NT	60/60	NT	1700/110	
Mercury	NT	NT	<0.2/<0.2	NT	<0.2/<0.2	
Nickel	NT	NT	<11/<11	NT	<11/<11	
Selenium	NT	NT	<4.8/<4.8	NT	<4.8/<4.8	
Silver	NT	NT	<4/<4	NT	<4/<4	
Thallium	NT	NT	1.9/<1.3	NT	2.3/<1.3	
Zinc	NT	NT	40/30	NT	40/30	
Cyanide	NT	NT	20	NT	20	
Cyanide Amenable	NT	NT	7	NT	20	
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)	NT	NT	8.8	NT	7.3	

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL				Date:		(ug/l) April 2002	
Parameter	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP	
pH	6.74	DRY	DRY	6.78	DRY	COVERED	
Conductivity	1201	NT	NT	1765	NT	NT	uMHOS/CM
Arsenic	<5.6/<5.6	NT	NT	<5.6/<5.6	NT	NT	
Barium	100/110	NT	NT	140/150	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	<4.2	NT	NT	<4.2	NT	NT	
Chromium Total	<8/<8	NT	NT	<8/<8	NT	NT	
Copper	<6/<6	NT	NT	<6/<6	NT	NT	
Iron	910/790	NT	NT	2600/2100	NT	NT	
Lead	<1.5/<1.5	NT	NT	<1.5/<1.5	NT	NT	
Manganese	40/40	NT	NT	120/130	NT	NT	
Mercury	<0.2/<0.2	NT	NT	<0.2/<0.2	NT	NT	
Nickel	<11/<11	NT	NT	10/10	NT	NT	
Selenium	<4.8/<4.8	NT	NT	6.3/5.5	NT	NT	
Silver	<4/<4	NT	NT	<4/<4	NT	NT	
Thallium	1.6/1.6	NT	NT	2.3/1.9	NT	NT	
Zinc	40/30	NT	NT	30/30	NT	NT	
Cyanide	8	NT	NT	30	NT	NT	
Cyanide Amenable	8	NT	NT	30	NT	NT	
1,1-Dichloroethane	<0.32	NT	NT	21	NT	NT	
1,2-Dichloroethane	<0.35	NT	NT	1.9	NT	NT	
1,1-Dichloroethene	<0.34	NT	NT	<1.7	NT	NT	
1,2-Dichloroethene Cis	<0.27	NT	NT	138	NT	NT	
1,2-Dichloroethene Trans	<0.25	NT	NT	4.9	NT	NT	
Ethylbenzene	<0.25	NT	NT	<1.3	NT	NT	
Methylene Chloride	<0.3	NT	NT	<1.5	NT	NT	
Tetrachloroethene	<0.31	NT	NT	<1.6	NT	NT	
Toluene	<0.29	NT	NT	<1.5	NT	NT	
1,1,1-Trichloroethane	<0.31	NT	NT	<1.6	NT	NT	
1,1,2-Trichloroethane	<0.44	NT	NT	<2.2	NT	NT	
TCE	<0.34	NT	NT	511	NT	NT	
Vinyl Chloride	<0.2	NT	NT	2.5	NT	NT	
Xylene Total	<0.53	NT	NT	<2.7	NT	NT	
Temperature (C)	7.4	NT	NT	6.6	NT	NT	

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL					Date:	(ug/l) April 2002	
Parameter	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP	
pH	6.69	6.54	7.02	6.84	6.76	6.19	
Conductivity	1703	1906	1075	734	1252	3254	uMHOS/CM
Arsenic	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6	
Barium	180/70	80/70	40/30	40/40	100/100	30/20	
Cadmium	<0.4/<0.4	<0.4/<0.4	0.59/<0.4	<0.4/<0.4	<0.4/<0.4	1/<0.4	
Cadmium Total Recoverable	<0.4/<0.4	<0.4/<0.4	0.59/<0.4	<0.4/<0.4	<0.4/<0.4	1/<0.4	
Chromium +6	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	
Chromium Total	<8/<8	<8/<8	460/<8	<8/<8	<8/<8	<8/10	
Copper	<6/7	70/<6	20/<6	9/<6	<6/<6	<6/<6	
Iron	7700/<81	1300/580	7600/<81	<81/<81	<81/<81	11,000/8400	
Lead	<1.5/<1.5	<1.5/<1.5	3.4/<1.5	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5	
Manganese	120/20	40/30	160/<6	60/60	200/200	180/160	
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	20/10	30/20	180/<11	<11/<11	<11/<11	30/20	
Selenium	<4.8/<4.8	<4.8/<4.8	<4.8/7.1	<4.8/<4.8	<4.8/<4.8	12/<4.8	
Silver	<4/<4	<4/<4	<4/<4	<4/<4	<4/<4	<4/<4	
Thallium	<1.3/<1.3	3/<1.3	2.6/<1.3	1.9/<1.3	2.6/<1.3	2.3/1.9	
Zinc	20/20	20/20	50/40	20/30	30/30	40/30	
Cyanide	<6	<6	<6	<6	<6	<6	
Cyanide Amenable	<6	<6	<6	<6	<6	<6	
1,1-Dichloroethane	<0.32	149	<0.32	<0.32	<0.32	<1.6	
1,2-Dichloroethane	<0.35	<0.7	<0.35	<0.35	<0.35	<1.8	
1,1-Dichloroethene	<0.34	51	<0.34	<0.34	<0.34	<1.7	
1,2-Dichloroethene Cis	<0.27	32	<0.27	<0.27	3.5	358	
1,2-Dichloroethene Trans	<0.25	10	<0.25	<0.25	<0.25	<1.3	
Ethylbenzene	<0.25	<0.5	<0.25	<0.25	<0.25	<1.3	
Methylene Chloride	<0.3	<0.6	<0.3	<0.3	<0.3	<1.5	
Tetrachloroethene	<0.31	<0.62	<0.31	<0.31	<0.31	<1.6	
Toluene	<0.29	<0.58	<0.29	<0.29	<0.29	<1.5	
1,1,1-Trichloroethane	<0.31	116	<0.31	<0.31	<0.31	<1.6	
1,1,2-Trichloroethane	<0.44	<0.88	<0.44	<0.44	<0.44	<2.2	
TCE	<0.34	34	<0.34	<0.34	26	<1.7	
Vinyl Chloride	<0.2	5.9	<0.2	<0.2	<0.2	93	
Xylene Total	<0.53	<1.1	<0.53	<0.53	<0.53	<2.7	
Temperature (C)	7.4	6.3	4.8	7.3	9.2	8.2	

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-03-02	
Parameter	Influent	After FT-311	Before Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.6	7	7.1	NT	7.7	Monitor	
TSS	4	NT	NT	NT	11	Monitor	mg/l
Arsenic	<1.8	NT	NT	NT	<1.8	5	
Barium	100	NT	NT	NT	93	400	
Cadmium	<0.042	NT	NT	NT	<0.042	0.5	
Cadmium Total Recoverable	<0.042	NT	NT	NT	<0.042	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<3.2	NT	NT	NT	<3.2	10	
Copper	<9.1	NT	NT	NT	<9.1	Monitor	
Iron	980	NT	NT	NT	250	Monitor	
Lead	<1.2	NT	NT	NT	<1.2	1.5	
Manganese	180	NT	NT	NT	97	Monitor	
Mercury	<0.056	NT	NT	NT	<0.056	0.2	
Nickel	28	NT	NT	NT	21	20	
Selenium	<1.5	NT	NT	NT	<1.5	10	
Silver	<1.5	NT	NT	NT	1.5	10	
Thallium	<1.4	NT	NT	NT	<1.4	0.4	
Zinc	<4.1	NT	NT	NT	15	Monitor	
Cyanide	<7.7	NT	NT	NT	<7.7	40	
Cyanide Amenable	<7.7	NT	NT	NT	<7.7	Monitor	
1,1-Dichloroethane	14	NT	<0.25	<0.25	<0.25	85	
1,2-Dichloroethane	<1.2	NT	<0.25	<0.25	<0.25	0.5	
1,1-Dichloroethene	5.5	NT	<0.25	<0.25	<0.25	0.7	
1,2-Dichloroethene Cis	30	NT	<0.25	<0.25	<0.25	7	
1,2-Dichloroethene Trans	11	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.2	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	5.4	NT	<0.25	<0.25	<0.25	0.5	
Tetrachloroethene	2.6	NT	<0.25	<0.25	<0.25	0.5	
Toluene	<0.5	NT	<0.1	<0.1	<0.1	68	
1,1,1-Trichloroethane	74	NT	<0.25	<0.25	<0.25	40	
1,1,2-Trichloroethane	<1.2	NT	<0.25	<0.25	<0.25	0.5	
TCE	300	NT	0.6	<0.25	<0.25	0.5	
Vinyl Chloride	<1.2	NT	<0.25	<0.25	<0.25	0.2	
Xylene Total	<1.2	NT	<0.25	<0.25	<0.25	124	
Chlorine, Total	>200	NT	NT	NT	90	38	*
COD	14	NT	NT	NT	<5.7	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.23	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.81	Monitor	mg/l

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

* Chlorine, Total = Weekly average.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-09-02	
Parameter	Influent	After FT-311	Before Air Stripper	Before Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	7.2	7.3	7.9	7.9	Monitor	
TSS	<1	<1	NT	<1	NT	Monitor	mg/l
Arsenic	6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	100	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	10	10	
Copper	6	NT	NT	NT	7	Monitor	
Iron	1300	NT	NT	NT	470	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	90	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30/40	30	NT	30	30	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	1.9	NT	NT	NT	1.9	0.4	
Zinc	30	NT	NT	NT	30	Monitor	
Cyanide	150	10	NT	20	30	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	2.5	NT	3.1	<0.32	<0.32	85	
1,2-Dichloroethane	<2.3	NT	<0.7	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.68	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	24	NT	14	<0.27	<0.27	7	
1,2-Dichloroethene Trans	5.6	NT	1.4	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.5	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.6	<0.3	<0.3	0.5	
Tetrachloroethene	3.2	NT	1	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.58	<0.29	<0.29	68	
1,1,1-Trichloroethane	61	NT	26	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.88	<0.44	<0.44	0.5	
TCE	328	NT	137	<0.34	<0.34	0.5	
Vinyl Chloride	1.6	NT	<0.4	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<1.1	<0.53	<0.53	124	
Chlorine, Total	NT	NT	NT	NT	NT	38	*
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.

* Chlorine, Total = Weekly average.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-15-02	
Parameter	Influent	After FT-311	Before Air Stripper	Before Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.8	NT	7.2	NT	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	90	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	340	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	130	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	40	NT	NT	NT	10	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	2.6	NT	NT	NT	1.9	0.4	
Zinc	20	NT	NT	NT	30	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	9.3	NT	NT	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	NT	<0.35	<0.35	0.5	
1,1-Dichloroethene	9.3	NT	NT	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	34	NT	NT	<0.27	<0.27	7	
1,2-Dichloroethene Trans	3	NT	NT	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	NT	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	NT	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	NT	<0.31	<0.31	0.5	
Toluene	<1.5	NT	NT	<0.29	<0.29	68	
1,1,1-Trichloroethane	78	NT	NT	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	NT	<0.44	<0.44	0.5	
TCE	310	NT	NT	<0.34	<0.34	0.5	
Vinyl Chloride	1.5	NT	NT	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	NT	<0.53	<0.53	124	
Chlorine, Total	>200	NT	NT	NT	90	38	*
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.

* Chlorine, Total = Weekly average.

FLOW FROM EXTRACTION WELLS

YEAR: 2002

MONTH: April DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	9,287,644.00	31,398.00	0.031	
2	9,319,042.00	33,398.00	0.033	
3	9,352,440.00	29,627.00	0.030	
4	9,382,067.00	33,865.00	0.034	
5	9,415,932.00	22,003.00	0.022	
6	9,437,935.00	30,212.00	0.030	
7	9,468,147.00	39,272.00	0.039	
8	9,507,419.00	33,227.00	0.033	
9	9,540,646.00	28,771.00	0.029	
10	9,569,417.00	31,569.00	0.032	
11	9,600,986.00	29,851.00	0.030	
12	9,630,837.00	32,138.00	0.032	
13	9,662,975.00	20,966.00	0.021	
14	9,683,941.00	35,718.00	0.036	
15	9,719,659.00	30,197.00	0.030	
16	9,749,856.00	28,451.00	0.028	
17	9,778,307.00	26,407.00	0.026	
18	9,804,714.00	32,008.00	0.032	SHUT DOWN
19	9,836,722.00	22,774.00	0.023	
20	9,859,496.00	33,086.00	0.033	
21	9,892,582.00	40,742.00	0.041	
22	9,933,324.00	29,943.00	0.030	
23	9,963,267.00	39,087.74	0.039	SHUT DOWN
24	10,002,354.74	26,516.78	0.027	
25	10,028,871.52	38,064.05	0.038	SHUT DOWN
26	10,066,935.57	25,915.40	0.026	
27	10,092,850.97	10,300.13	0.010	SHUT DOWN
28	10,103,151.10	37,740.20	0.038	SHUT DOWN
29	10,140,891.30	34,470.00	0.034	
30	10,175,361.30	36,839.90	0.037	
May 01	10,212,201.20			
		TOTAL	0.924	
		AVERAGE	0.031	

FLOW FROM EQT-100

YEAR: 2002				
MONTH: April DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	57,618.64	35,769.45	0.036	
2	93,408.09	38,363.71	0.038	
3	131,771.80	33,205.50	0.033	
4	164,977.30	36,151.20	0.036	
5	201,128.50	23,709.60	0.024	
6	224,838.10	39,700.10	0.040	
7	264,538.20	43,478.40	0.043	
8	308,016.60	39,377.70	0.039	SHUT DOWN
9	347,394.30	33,731.80	0.034	
10	381,126.10	36,229.20	0.036	
11	417,355.30	34,617.20	0.035	
12	451,972.50	25,927.30	0.026	
13	477,899.80	36,797.40	0.037	
14	514,697.20	43,589.90	0.044	
15	558,287.10	34,562.70	0.035	
16	592,849.80	32,879.30	0.033	
17	625,729.10	34,906.50	0.035	
18	660,635.60	36,752.90	0.037	
19	697,388.50	34,705.50	0.035	
20	732,094.00	34,705.40	0.035	
21	766,799.40	48,327.90	0.048	
22	815,127.30	34,611.50	0.035	
23	849,738.80	40,475.10	0.040	
24	890,213.90	34,756.10	0.035	
25	924,970.00	44,052.00	0.044	SHUT DOWN
26	969,022.00	29,568.60	0.030	
27	998,590.60	16,412.40	0.016	SHUT DOWN
28	1,015,003.00	46,187.00	0.046	SHUT DOWN
29	1,061,190.00	41,423.00	0.041	
30	1,102,613.00	41,710.00	0.042	
May 01	1,144,323.00			
		TOTAL	1.088	
		AVERAGE	0.036	

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: April DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	3,731,107.10	31,779.00	0.032	
2	3,762,886.10	33,066.00	0.033	
3	3,795,952.10	29,808.00	0.030	
4	3,825,760.10	33,830.00	0.034	
5	3,859,590.10	22,064.50	0.022	
6	3,881,654.60	30,719.40	0.031	
7	3,912,374.00	39,311.10	0.039	
8	3,951,685.10	32,726.00	0.033	
9	3,984,411.10	29,263.00	0.029	
10	4,013,674.10	31,886.00	0.032	
11	4,045,562.10	30,958.00	0.031	
12	4,076,520.10	20,745.70	0.021	
13	4,097,265.80	30,959.80	0.031	
14	4,128,225.60	36,368.50	0.036	
15	4,164,594.10	29,689.00	0.030	
16	4,194,283.10	29,031.00	0.029	
17	4,223,314.10	26,351.00	0.026	
18	4,249,665.10	32,390.00	0.032	SHUT DOWN
19	4,282,055.10	23,276.60	0.023	
20	4,305,331.90	32,204.30	0.032	
21	4,337,536.20	41,221.90	0.041	
22	4,378,758.10	30,064.00	0.030	
23	4,408,822.10	39,296.00	0.039	SHUT DOWN
24	4,448,118.10	26,589.00	0.027	
25	4,474,707.10	38,226.00	0.038	SHUT DOWN
26	4,512,933.10	26,403.40	0.026	
27	4,539,336.50	9,959.00	0.010	SHUT DOWN
28	4,549,295.50	37,691.60	0.038	SHUT DOWN
29	4,586,987.10	34,567.00	0.035	
30	4,621,554.10	37,423.00	0.037	
May 01	4,658,977.10			
		TOTAL	0.927	
		AVERAGE	0.031	

FLOW FROM EQT-100

YEAR: 2002

MONTH: April DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	350,943.10	36,299.00	0.036	
2	387,242.10	37,928.00	0.038	
3	425,170.10	33,352.00	0.033	
4	458,522.10	36,177.00	0.036	
5	494,699.10	23,923.30	0.024	
6	518,622.40	40,429.80	0.040	
7	559,052.20	43,551.90	0.044	
8	602,604.10	38,754.00	0.039	SHUT DOWN
9	641,358.10	34,111.00	0.034	
10	675,469.10	36,339.00	0.036	
11	711,808.10	35,759.00	0.036	
12	747,567.10	24,419.30	0.024	
13	771,986.40	36,837.30	0.037	
14	808,823.70	44,021.40	0.044	
15	852,845.10	33,820.00	0.034	
16	886,665.10	33,689.00	0.034	
17	920,354.10	35,124.00	0.035	
18	955,478.10	37,144.00	0.037	
19	992,622.10	29,122.50	0.029	
20	1,021,744.60	39,803.00	0.040	
21	1,061,547.60	48,738.50	0.049	
22	1,110,286.10	34,656.00	0.035	
23	1,144,942.10	40,688.00	0.041	
24	1,185,630.10	34,800.00	0.035	
25	1,220,430.10	44,141.00	0.044	SHUT DOWN
26	1,264,571.10	30,173.50	0.030	
27	1,294,744.60	15,687.80	0.016	SHUT DOWN
28	1,310,432.40	46,539.70	0.047	SHUT DOWN
29	1,356,972.10	41,505.00	0.042	
30	1,398,477.10	42,300.00	0.042	
May 01	1,440,777.10			
		TOTAL	1.091	
		AVERAGE	0.036	

EFFLUENT FLOW FROM PLANT

YEAR: 2002 MONTH: April DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,050,800.00	32,581.00	0.033	
2	2,083,381.00	34,546.00	0.035	
3	2,117,927.00	30,401.00	0.030	
4	2,148,328.00	31,112.00	0.031	
5	2,179,440.00	23,102.00	0.023	
6	2,202,542.00	35,053.00	0.035	
7	2,237,595.00	37,019.00	0.037	
8	2,274,614.00	34,556.00	0.035	SHUT DOWN
9	2,309,170.00	29,433.00	0.029	
10	2,338,603.00	31,304.00	0.031	
11	2,369,907.00	29,435.00	0.029	
12	2,399,342.00	23,322.00	0.023	
13	2,422,664.00	34,753.00	0.035	
14	2,457,417.00	36,078.00	0.036	
15	2,493,495.00	30,463.00	0.030	
16	2,523,958.00	26,512.00	0.027	
17	2,550,470.00	28,143.00	0.028	
18	2,578,613.00	28,045.00	0.028	
19	2,606,658.00	26,929.00	0.027	
20	2,633,587.00	37,970.00	0.038	
21	2,671,557.00	36,087.00	0.036	
22	2,707,644.00	35,967.00	0.036	
23	2,743,611.00	34,584.00	0.035	
24	2,778,195.00	28,860.00	0.029	
25	2,807,055.00	37,575.00	0.038	SHUT DOWN
26	2,844,630.00	29,110.00	0.029	
27	2,873,740.00	11,934.00	0.012	SHUT DOWN
28	2,885,674.00	36,923.00	0.037	SHUT DOWN
29	2,922,597.00	37,904.00	0.038	
30	2,960,501.00	38,322.00	0.038	
May 01	2,998,823.00			
		TOTAL	0.948	
		AVERAGE	0.032	

PRECIPITATION

YEAR: 2002	
MONTH: April DAY	RAINFALL (INCHES)
1	0.00
2	0.20
3	0.00
4	0.00
5	0.00
6	0.00
7	0.15
8	1.20
9	0.70
10	0.00
11	0.00
12	0.10
13	0.00
14	0.00
15	0.25
16	0.00
17	0.00
18	0.00
19	0.25
20	0.00
21	0.00
22	0.00
23	0.00
24	0.00
25	0.13
26	0.00
27	0.00
28	0.65
29	0.10
30	0.00
TOTAL	3.73

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-22-02	
Parameter	Influent	After FT-311	Before Air Stripper	Before Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.8	NT	7.2	NT	7.8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	90	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	330	Monitor	
Lead	4.1/<1.5	NT	NT	NT	6/<1.5	1.5	**
Manganese	150	NT	NT	NT	100	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	10	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	20	NT	NT	NT	40	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	10	NT	NT	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	NT	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	NT	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	39	NT	NT	<0.27	<0.27	7	
1,2-Dichloroethene Trans	4.2	NT	NT	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	NT	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	NT	<0.3	<0.3	0.5	
Tetrachloroethene	2.8	NT	NT	<0.31	<0.31	0.5	
Toluene	<1.5	NT	NT	<0.29	<0.29	68	
1,1,1-Trichloroethane	90	NT	NT	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	NT	<0.44	<0.44	0.5	
TCE	317	NT	NT	<0.34	<0.34	0.5	
Vinyl Chloride	1.9	NT	NT	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	NT	<0.53	<0.53	124	
Chlorine, Total	>200	NT	NT	NT	6	38	*
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.

* Chlorine, Total = Weekly average.
** Paul Kozol, WDNR, requested that the Lead sample be re-tested (second number).

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-30-02	
Parameter	Influent	After FT-311	Before Air Stripper	Before Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	7.3	NT	NT	7.9	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	100	NT	NT	NT	90	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	10	NT	NT	NT	<8	10	
Copper	6	NT	NT	NT	<6	Monitor	
Iron	1400	NT	NT	NT	540	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	120	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	40	NT	NT	NT	20	20	
Selenium	<4.8	NT	NT	NT	6.7	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	70	NT	NT	NT	60	Monitor	
Cyanide	10	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	<1.6	NT	NT	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	NT	<0.35	<0.35	0.5	
1,1-Dichloroethene	9.5	NT	NT	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	21	NT	NT	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	NT	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	NT	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	NT	<0.3	<0.3	0.5	
Tetrachloroethene	2.2	NT	NT	<0.31	<0.31	0.5	
Toluene	<1.5	NT	NT	<0.29	<0.29	68	
1,1,1-Trichloroethane	70	NT	NT	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	NT	<0.44	<0.44	0.5	
TCE	274	NT	NT	<0.34	<0.34	0.5	
Vinyl Chloride	1.7	NT	NT	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	NT	<0.53	<0.53	124	
Chlorine, Total	>200	NT	NT	NT	89	38	*
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.

* Chlorine, Total = Weekly average. Increased dosage to change form for better adsorption.

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	AFTER METALS PACKAGE 3/29/02-4/8/02	EFFLUENT 4/15/02-4/23/02
1	LIGHT YELLOW	LIGHT YELLOW
2	LIGHT YELLOW	LIGHT YELLOW
3	LIGHT YELLOW W/BUBBLES	YELLOW W/BUBBLES
4	LIGHT YELLOW W/BUBBLES	DARK YELLOW W/BUBBLES
5	LIGHT BROWN W/BUBBLES	DARK YELLOW W/BUBBLES
6	BROWN W/BUBBLES	DARK YELLOW W/BUBBLES
7	BROWN W/BUBBLES	DARK YELLOW W/BROWN BUBB.
8	BROWN W/BUBBLES	DARK YELLOW W/BROWN BUBB.

FOAM/BUBBLES=ANAEROBIC BACTERIA.
GREEN=PSEUDOMONADS.
BLACK=PSEUDOMONADS AND ENTERICS.
YELLOW=NO BACTERIA
BROWN=IRON BACTERIA
YELLOW=NEGATIVE

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	EFFLUENT 4/23/02-5/1/02	
1	LIGHT YELLOW	
2	LIGHT YELLOW	
3	LIGHT YELLOW	
4	LIGHT YELLOW	
5	LIGHT YELLOW	
6	DARK YELLOW/ W/BROWN BUBBLES	
7	BROWN/ WITH BROWN BUBBLES	
8	BROWN/ WITH BROWN BUBBLES	

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL		FEET	
DATE	MW02DP	MW03SP	MW05SP	MW05DP	MW06P	MW11BP
January 4, 2002	6.71	DRY	3.98	4.65	DRY	COVERED
February 6-7, 2002	7.03	DRY	DRY	4.62	DRY	COVERED
March 28, 2002	5.90	DRY	3.45	3.95	DRY	COVERED
April 09, 2002	4.91	3.82	2.82	2.6	DRY	COVERED

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL			FEET
DATE	MW07P	MW08P	MW09SP			
January 04, 2002	DRY	4.21	6.32			
February 6-7, 2002	DRY	4.54	6.61			
March 28, 2002	3.9	2.09	5.49			
April 09, 2002	2.99	1.52	4.46			

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
January 4, 2002	4.72	4.27	5.64	4.07	10.11	3.39
February 6-7, 2002	5.11	4.51	5.98	4.31	10.39	3.59
March 28, 2002	4.19	3.07	5.05	3.03	9.67	2.78
April 9 & 11, 2002	3.1	1.99	4.16	2.84	8.68	2.19

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW01DP	MW01SP	MW02SP	MW03DP	MW04DP	MW04SP
January 04, 2002	6.71	6.28	DRY	8.47	9.2	7.81
February 6-7, 2002	7.05	6.49	DRY	8.55	9.45	7.95
March 28, 2002	5.5	5.37	5.97	8.97	7.53	6.83
April 09, 2002	5.59	4.56	3.93	7	6.39	5.1

PILOT STUDY-WEEK #11

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-03-02	
Parameter	Influent V-104	After TFT-601 V-502	After DAS V-622	After GAC's V-654	Effluent V-740	WDNR Site Permit ug/l	
pH	6.6	7	7.1	NT	7.7	Monitor	
TSS	4	NT	NT	NT	11	Monitor	mg/l
Arsenic	<1.8	NT	NT	NT	<1.8	5	
Barium	100	NT	NT	NT	93	400	
Cadmium	<0.042	NT	NT	NT	<0.042	0.5	
Cadmium Total Recoverable	<0.042	NT	NT	NT	<0.042	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<3.2	NT	NT	NT	<3.2	10	
Copper	<9.1	NT	NT	NT	<9.1	Monitor	
Iron	980	NT	NT	NT	250	Monitor	
Lead	<1.2	NT	NT	NT	<1.2	1.5	
Manganese	160	NT	NT	NT	97	Monitor	
Mercury	<0.056	NT	NT	NT	<0.056	0.2	
Nickel	28	NT	NT	NT	21	20	
Selenium	<1.5	NT	NT	NT	<1.5	10	
Silver	<1.5	NT	NT	NT	1.5	10	
Thallium	<1.4	NT	NT	NT	<1.4	0.4	
Zinc	<4.1	NT	NT	NT	15	Monitor	
Cyanide	<7.7	NT	NT	NT	<7.7	40	
Cyanide Amenable	<7.7	NT	NT	NT	<7.7	Monitor	
1,1-Dichloroethane	14	NT	<0.25	<0.25	<0.25	85	
1,2-Dichloroethane	<1.2	NT	<0.25	<0.25	<0.25	0.5	
1,1-Dichloroethene	5.5	NT	<0.25	<0.25	<0.25	0.7	
1,2-Dichloroethene Cis	30	NT	<0.25	<0.25	<0.25	7	
1,2-Dichloroethene Trans	11	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.2	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	5.4	NT	<0.25	<0.25	<0.25	0.5	
Tetrachloroethene	2.6	NT	<0.25	<0.25	<0.25	0.5	
Toluene	<0.5	NT	<0.1	<0.1	<0.1	68	
1,1,1-Trichloroethane	74	NT	<0.25	<0.25	<0.25	40	
1,1,2-Trichloroethane	<1.2	NT	<0.25	<0.25	<0.25	0.5	
TCE	300	NT	0.6	<0.25	<0.25	0.5	
Vinyl Chloride	<1.2	NT	<0.25	<0.25	<0.25	0.2	
Xylene Total	<1.2	NT	<0.25	<0.25	<0.25	124	
COD	14	NT	NT	NT	<5.7	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.23	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.81	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:	4-9-02	
Parameter	Influent V-104	After TFT-601 V-502	After DAS V-622	After GAC's V-854	Effluent V-740	WDNR Site Permit ug/l	
pH	6.9	7.2	7.3	7.9	7.9	Monitor	
TSS	<1	<1	NT	<1	NT	Monitor	mg/l
Arsenic	6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	100	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	10	10	
Copper	8	NT	NT	NT	7	Monitor	
Iron	1300	NT	NT	NT	470	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	90	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30/40	30	NT	30	30	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	1.9	NT	NT	NT	1.9	0.4	
Zinc	30	NT	NT	NT	30	Monitor	
Cyanide	150	10	NT	20	30	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	2.5	NT	3.1	<0.32	<0.32	85	
1,2-Dichloroethane	<2.3	NT	<0.7	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.68	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	24	NT	14	<0.27	<0.27	7	
1,2-Dichloroethene Trans	5.6	NT	1.4	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.5	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.6	<0.3	<0.3	0.5	
Tetrachloroethene	3.2	NT	1	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.58	<0.29	<0.29	68	
1,1,1-Trichloroethane	61	NT	26	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.88	<0.44	<0.44	0.5	
TCE	328	NT	137	<0.34	<0.34	0.5	
Vinyl Chloride	1.5	NT	<0.4	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<1.1	<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.

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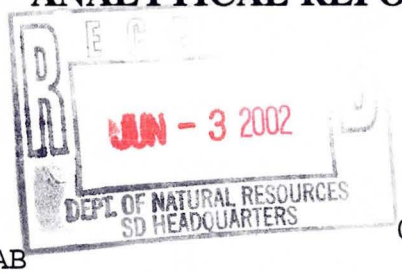
ANALYTICAL REPORT



Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/19/2002

Job No: 02.03311

The following samples were received by TestAmerica for analysis:is:

Sample Number	Sample Description	Date Taken	Date Received
476220	020403WA01P	04/03/2002	04/04/2002
476221	020403WA05P	04/03/2002	04/04/2002
476222	020403WA07P	04/03/2002	04/04/2002
476223	020403WA08P	04/03/2002	04/04/2002
476224	020403WA09P	04/03/2002	04/04/2002
476225	020403WA09R	04/03/2002	04/04/2002
476226	Trip Blank	04/03/2002	04/04/2002
476227	020403WA04Q	04/03/2002	04/04/2002
476228	020403WA01P	04/04/2002	04/04/2002
476229	020403WA09P	04/04/2002	04/04/2002
477336	020403WA01P 4/12 OGTP	04/12/2002	04/12/2002
477607	020403WA09R 4/15	04/15/2002	04/16/2002

CASE NARRATIVE

The results for samples 476220 and 476225 are reported with an asterisk for COD and TSS. We were unable to analyze these samples due to a lab accident that destroyed the samples.

Karen R. Wenta
Inorganic Operations Manager

KEY TO DATA FLAGS

The attached sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time
B = Blank is contaminated
C = Standard outside of control limits
D = Diluted for analysis
E = TCLP extraction outside of method required temperature range
F = Sample filtered in lab
G = Received past hold time
H = Late eluting hydrocarbons present
I = Improperly handled sample
J = Estimated concentration
L = Common lab solvent and contaminant
M = Matrix interference
P = Improperly preserved sample
Q = Result confirmed via re-analysis
S = Sediment present
T = Does not match typical pattern
W = BOD re-set due to missed dilution
X = Unidentified compound(s) present
Z = Internal standard outside limits
* = See Case Narrative

KEY TO ANALYST INITIALS

The attached sample(s) may have been analyzed by another certified laboratory. If a number appears in the Analyst Initials field, the following are the appropriate certifications (if the lab code does not appear below, that means that WDNR certification is not required for the work performed):

Lab Code	Certification Number
008	WDNR - 999766900
009	WDNR - 241293690
060	ILNELAC - 100221; WDNR - 999447130
070	IA - 007; MDH - 019-999-319; WDNR - 999917270
130	WDNR - 632021390
147	WDNR - 721026460
300	FLNELAC - 87358; IA - 131; MDH - 047-999-345; WDNR - 998020430
400	WDNR - 113133790
510	WDNR - 241249360
700	WDNR - 113289110

TestAmerica Watertown WDNR ID: 128053530; IDNR ID: 294; MDH ID: 055-999-366

For questions regarding this report, please contact Dan Milewsky or Warren Topel.

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ANALYTICAL REPORT

Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/19/2002
Job No: 02.02990
Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476220 020403WA01P			04/03/2002 10:40					
COD, Total	*	mg/L	5.7	20	EPA 410.4	04/12/2002	seh	1891
Cyanide, amenable	<0.0077	mg/L	0.0077	0.027	EPA 335.4	04/15/2002	tds	189 156
Cyanide, total	<0.0077	mg/L	0.0077	0.027	EPA 335.4	04/12/2002	tds	581 545
Solids, Total Suspended	*	mg/L	1.0	3.3	EPA 160.2	04/10/2002	seh	2719
Arsenic, Dissolved, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/13/2002	mmm	878
Barium, Dissolved, ICP	0.10	mg/L	0.0011	0.0039	SW 6010B	04/08/2002	070	1127
Cadmium, Dissolved, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/18/2002	mmm	972
Chromium, Dissolved, ICP	<0.0032	mg/L	0.0032	0.012	SW 6010B	04/08/2002	070	993
Copper, Dissolved, ICP	<0.0091	mg/L	0.0091	0.032	SW 6010B	04/08/2002	070	997
Iron, Dissolved, ICP	0.98	mg/L	0.022	0.079	SW 6010B	04/08/2002	070	991
Lead, Dissolved, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/11/2002	mmm	2204
Manganese, Dissolved, ICP	0.16	mg/L	0.0020	0.0070	SW 6010B	04/08/2002	070	993
Mercury, Dissolved, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/10/2002	mmm	1802
Nickel, Dissolved, ICP	0.028	mg/L	0.0095	0.034	SW 6010B	04/08/2002	070	989
Selenium, Dissolved, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/18/2002	mmm	724
Silver, Dissolved, ICP	<0.0015	mg/L	0.0015	0.0054	SW 6010B	04/08/2002	070	989
Thallium, Dissolved, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/12/2002	mmm	323
Zinc, Dissolved, ICP	<0.0041	mg/L	0.0041	0.014	SW 6010B	04/08/2002	070	996
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.50	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Bromobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromochloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromodichloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromoform	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
n-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
sec-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
tert-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Carbon Tetrachloride	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chlorobenzene	1.4	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chlorodibromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroform	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

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ANALYTICAL REPORT

Mr. Dean Grolean
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8222 W. Calumet Road
Milwaukee, WI 53233

04/19/2002
Job No: 02.02990
Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476220 020403WA01P			04/03/2002 10:40						
Chloromethane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2-Chlorotoluene		<0.50	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
4-Chlorotoluene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromo-3-Chloropropane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromoethane (EDB)		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dibromomethane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichlorobenzene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichlorobenzene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,4-Dichlorobenzene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dichlorodifluoromethane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethane		14	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloroethane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethene		5.5	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,2-Dichloroethene		30	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,2-Dichloroethene		11	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloropropane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichloropropane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2,2-Dichloropropane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloropropene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,3-Dichloropropene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,3-Dichloropropene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Di-isopropyl ether		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Ethylbenzene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Hexachlorobutadiene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Isopropylbenzene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
p-Isopropyltoluene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Methylene Chloride	L	5.4	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Methyl-t-butyl ether		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Naphthalene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
n-Propylbenzene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Styrene		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1,2-Tetrachloroethane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2,2-Tetrachloroethane		<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

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ANALYTICAL REPORT

Mr. Dean Grolean
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8222 W. Calumet Road
Milwaukee, WI 53233

04/19/2002
Job No: 02.02990
Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476220 020403WA01P			04/03/2002 10:40					
Tetrachloroethene	2.6	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Toluene	<0.50	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1-Trichloroethane	74	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2-Trichloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichloroethene	300	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichlorofluoromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trimethylbenzene	<0.50	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,3,5-Trimethylbenzene	<0.50	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Vinyl Chloride	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Xylenes, Total	<1.2	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Surr: Dibromofluoromethane	100.0	%		86-119	SW 8260B	04/12/2002	mae	3614
Surr: Toluene-d8	98.0	%		88-110	SW 8260B	04/12/2002	mae	3614
Surr: Bromofluorobenzene	101.6	%		91-110	SW 8260B	04/12/2002	mae	3614
pH, Field	6.6	units	n/a	n/a	EPA 150.1	04/03/2002	pam	2910
476221 020403WA05P			04/03/2002 10:47					
pH, Field	7.1	units	n/a	n/a	EPA 150.1	04/03/2002	pam	2910
476222 020403WA07P			04/03/2002 10:49					
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

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ANALYTICAL REPORT

Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/19/2002
Job No: 02.02990
Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476222 020403WA07P			04/03/2002 10:49					
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

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04/19/2002
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Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476222 020403WA07P		04/03/2002 10:49						
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichloroethene	0.60	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Surr: Dibromofluoromethane	99.2	%		86-119	SW 8260B	04/12/2002	mae	3614
Surr: Toluene-d8	98.0	%		88-110	SW 8260B	04/12/2002	mae	3614
Surr: Bromofluorobenzene	101.2	%		91-110	SW 8260B	04/12/2002	mae	3614
476223 020403WA08P		04/03/2002 10:51						
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

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476223 020403WA08P 04/03/2002 10:51

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

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Account No: 940
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Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476223 020403WA08P			04/03/2002 10:51					
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Surr: Dibromofluoromethane	99.4	%		86-119	SW 8260B	04/12/2002	mae	3614
Surr: Toluene-d8	96.4	%		88-110	SW 8260B	04/12/2002	mae	3614
Surr: Bromofluorobenzene	100.0	%		91-110	SW 8260B	04/12/2002	mae	3614
476224 020403WA09P			04/03/2002 10:53					
Cyanide, amenable	<0.0077	mg/L	0.0077	0.027	EPA 335.4	04/15/2002	tds	189 156
Cyanide, total	<0.0077	mg/L	0.0077	0.027	EPA 335.4	04/12/2002	tds	581 545
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

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Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476224 020403WA09P			04/03/2002 10:53					
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroform	0.27	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

ANALYTICAL REPORT

Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/19/2002
Job No: 02.02990
Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476224 020403WA09P			04/03/2002 10:53					
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Surr: Dibromofluoromethane	99.8	%		86-119	SW 8260B	04/12/2002	mae	3614
Surr: Toluene-d8	96.0	%		88-110	SW 8260B	04/12/2002	mae	3614
Surr: Bromofluorobenzene	99.8	%		91-110	SW 8260B	04/12/2002	mae	3614
pH, Field	7.7	units	n/a	n/a	EPA 150.1	04/03/2002	pam	2910

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ANALYTICAL REPORT

Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/19/2002
Job No: 02.02990
Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476225 020403WA09R			04/03/2002 10:57					
COD, Total	<5.7	mg/L	5.7	20	EPA 410.4	04/12/2002	seh	1892
N-Ammonia	0.81	mg/L	0.10	0.33	SM 4500NHH	04/17/2002	tds	1106
N-Nitrate + Nitrite	0.23	mg/L	0.024	0.084	EPA 353.2	04/18/2002	tds	1333
Phosphorus, Total (as P)	<0.10	mg/L	0.10	0.33	EPA 365.1	04/15/2002	tds	947
Solids, Total Suspended	*	mg/L	1.0	3.3	EPA 160.2	04/10/2002	seh	2719
Arsenic, Dissolved, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/13/2002	mmm	878
Barium, Dissolved, ICP	0.093	mg/L	0.0011	0.0039	SW 6010B	04/08/2002	070	1127
Cadmium, Dissolved, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/18/2002	mmm	972
Chromium, Dissolved, ICP	<0.0032	mg/L	0.0032	0.012	SW 6010B	04/08/2002	070	993
Copper, Dissolved, ICP	<0.0091	mg/L	0.0091	0.032	SW 6010B	04/08/2002	070	997
Iron, Dissolved, ICP	0.25	mg/L	0.022	0.079	SW 6010B	04/08/2002	070	991
Lead, Dissolved, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/11/2002	mmm	2204
Manganese, Dissolved, ICP	0.097	mg/L	0.0020	0.0070	SW 6010B	04/08/2002	070	993
Mercury, Dissolved, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/10/2002	mmm	1802
Nickel, Dissolved, ICP	0.021	mg/L	0.0095	0.034	SW 6010B	04/08/2002	070	989
Selenium, Dissolved, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/18/2002	mmm	724
Silver, Dissolved, ICP	0.0015	mg/L	0.0015	0.0054	SW 6010B	04/08/2002	070	989
Thallium, Dissolved, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/12/2002	mmm	323
Zinc, Dissolved, ICP	0.015	mg/L	0.0041	0.014	SW 6010B	04/08/2002	070	996
476226 Trip Blank			04/03/2002 UNKNOWN					
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

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ANALYTICAL REPORT

Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/19/2002
Job No: 02.02990
Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476226 Trip Blank		04/03/2002 UNKNOWN						
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614

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ANALYTICAL REPORT

Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/19/2002
Job No: 02.02990
Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476226 Trip Blank		04/03/2002 UNKNOWN						
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/12/2002	mae	3614
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/12/2002	mae	3614
Surr: Dibromofluoromethane	99.6	%		86-119	SW 8260B	04/12/2002	mae	3614
Surr: Toluene-d8	97.0	%		88-110	SW 8260B	04/12/2002	mae	3614
Surr: Bromofluorobenzene	100.4	%		91-110	SW 8260B	04/12/2002	mae	3614
476227 020403WA04Q		04/03/2002 10:45						
pH, Field	7.0	units	n/a	n/a	EPA 150.1	04/03/2002	pam	2910

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ANALYTICAL REPORT

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04/19/2002
Job No: 02.02990
Account No: 940
Purchase Order:

Job Description: Pilot Test Week 11
Rec'd at 7 degrees C

Date/Time Taken: SEE BELOW SEE BELOW Date Received: 04/04/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
476228 020403WA01P			04/04/2002 06:23					
Chromium, hexavalent	<0.0042	mg/L	0.0042	0.015	SM 3500CrD	04/04/2002	jts	803
476229 020403WA09P			04/04/2002 06:20					
Chromium, hexavalent	<0.0042	mg/L	0.0042	0.015	SM 3500CrD	04/04/2002	jts	803
477607 020403WA09R 4/15			04/15/2002 10:23					
Solids, Total Suspended	11	mg/L	1.0	3.3	EPA 160.2	04/16/2002	seh	2726
477336 020403WA01P 4/12 OGTP			04/12/2002 08:15					
COD, Total	14	mg/L	5.7	20	EPA 410.4	04/12/2002	seh	1893
Solids, Total Suspended	4.0	mg/L	1.0	3.3	EPA 160.2	04/15/2002	seh	2724

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QUALITY CONTROL REPORT

BLANKS

04/19/2002

Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

Job No: 02.03311
Account No: 940

Job Description: OGTP (Pilot Test) Resample

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Chromium, hexavalent		803	<0.0042	0.0042	0.015	mg/L
Chromium, hexavalent		803	<0.0042	0.0042	0.015	mg/L
COD, Total		1892	<5.7	5.7	20	mg/L
COD, Total		1892	<5.7	5.7	20	mg/L
COD, Total		1893	<5.7	5.7	20	mg/L
COD, Total		1893	<5.7	5.7	20	mg/L
Cyanide, amenable		156	<0.0077	0.0077	0.027	mg/L
Cyanide, total	581	545	<0.0077	0.0077	0.027	mg/L
N-Ammonia		1106	<0.10	0.10	0.33	mg/L
N-Nitrate + Nitrite		1333	<0.024	0.024	0.084	mg/L
Phosphorus, Total (as P)		947	<0.10	0.10	0.33	mg/L
Arsenic, Dissolved, GFAA		878	<0.0018	0.0018	0.0065	mg/L
Barium, Dissolved, ICP		1127	0.0028	0.0011	0.0039	mg/L
Cadmium, Dissolved, GFAA		972	<0.000042	0.000042	0.00015	mg/L
Chromium, Dissolved, ICP		993	<0.0032	0.0032	0.012	mg/L
Copper, Dissolved, ICP		997	<0.0091	0.0091	0.032	mg/L
Iron, Dissolved, ICP		991	<0.022	0.022	0.079	mg/L
Lead, Dissolved, GFAA		2204	<0.0012	0.0012	0.0044	mg/L
Manganese, Dissolved, ICP		993	<0.0020	0.0020	0.0070	mg/L
Mercury, Dissolved, CVAA		1802	<0.000056	0.000056	0.00020	mg/L
Nickel, Dissolved, ICP		989	<0.0095	0.0095	0.034	mg/L
Selenium, Dissolved, GFAA		724	<0.0015	0.0015	0.0054	mg/L
Silver, Dissolved, ICP		989	<0.0015	0.0015	0.0054	mg/L
Thallium, Dissolved, GFAA		323	<0.0014	0.0014	0.0048	mg/L
Zinc, Dissolved, ICP		996	<0.0041	0.0041	0.014	mg/L
VOC - AQUEOUS - EPA 8260B						
Benzene		3614	<0.10	0.10	0.33	ug/L
Bromobenzene		3614	<0.25	0.25	0.83	ug/L
Bromochloromethane		3614	<0.25	0.25	0.83	ug/L
Bromodichloromethane		3614	<0.25	0.25	0.83	ug/L
Bromoform		3614	<0.25	0.25	0.83	ug/L
Bromomethane		3614	<0.25	0.25	0.83	ug/L
n-Butylbenzene		3614	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		3614	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		3614	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		3614	<0.25	0.25	0.83	ug/L
Chlorobenzene		3614	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

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QUALITY CONTROL REPORT

BLANKS

04/19/2002

Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

Job No: 02.03311
Account No: 940

Job Description: OGTP (Pilot Test) Resample

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Chlorodibromomethane		3614	<0.25	0.25	0.83	ug/L
Chloroethane		3614	<0.25	0.25	0.83	ug/L
Chloroform		3614	<0.25	0.25	0.83	ug/L
Chloromethane		3614	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		3614	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		3614	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		3614	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		3614	<0.25	0.25	0.83	ug/L
Dibromomethane		3614	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		3614	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		3614	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		3614	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		3614	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		3614	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		3614	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		3614	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		3614	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		3614	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		3614	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		3614	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		3614	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		3614	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		3614	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		3614	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		3614	<0.25	0.25	0.83	ug/L
Ethylbenzene		3614	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		3614	<0.25	0.25	0.83	ug/L
Isopropylbenzene		3614	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		3614	<0.25	0.25	0.83	ug/L
Methylene Chloride		3614	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		3614	<0.25	0.25	0.83	ug/L
Naphthalene		3614	<0.25	0.25	0.83	ug/L
n-Propylbenzene		3614	<0.25	0.25	0.83	ug/L
Styrene		3614	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		3614	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		3614	<0.25	0.25	0.83	ug/L
Tetrachloroethene		3614	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT

BLANKS

04/19/2002

Mr. Dean Grolean
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

Job No: 02.03311
Account No: 940

Job Description: OGTP (Pilot Test) Resample

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Toluene		3614	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		3614	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		3614	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		3614	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		3614	<0.25	0.25	0.83	ug/L
Trichloroethene		3614	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		3614	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		3614	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		3614	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		3614	<0.10	0.10	0.33	ug/L
Vinyl Chloride		3614	<0.25	0.25	0.83	ug/L
Xylenes, Total		3614	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		3614	100.6		86-119	%
Surr: Toluene-d8		3614	98.4		88-110	%
Surr: Bromofluorobenzene		3614	102.4		91-110	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20020230**
DATE REPORTED: 07-May-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 28005	Matrix: GW							Collection: 4/9/2002	Time: 08:00	
Client ID: **020409WA01P**								Sample Description:		
Arsenic - Furnace AA	**6**	**ug/l**	*J* **RJ**	5.6	18	206.2	bb	4/12/2002	*1000350*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/10/2002	*1000341*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/10/2002	*1000341*	
Copper- ICAP	**0.006**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	ez	4/10/2002	*1000341*	
Iron - ICAP	**1.3**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/10/2002	*1000341*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/10/2002	*1000341*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	4/10/2002	*1000341*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/10/2002	*1000341*	
Thallium - Furnace AA	**1.9**	**ug/l**	*J* **RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	ez	4/10/2002	*1000341*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	TDS	4/10/2002	*1000486*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000451*	
Cyanide, Total	**0.15**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/15/2002	*1000356*	
pH (water)	**6.8**	**s.u.**	**# RJ**			150.1	NR	4/17/2002	*1000392*	
Sample Number: 28006	Matrix: GW							Collection: 4/9/2002	Time: 08:00	
Client ID: **020409WA01Q**								Sample Description:		
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/10/2002	*1000341*	
pH (water)	**6.9**	**s.u.**	**# RJ**			150.1	NR	4/17/2002	*1000392*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	NR	4/15/2002	*1000364*	
Sample Number: 28007	Matrix: GW							Collection: 4/9/2002	Time: 08:12	
Client ID: **020409WA04Q**								Sample Description:		
Nickel - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	4/10/2002	*1000341*	
Cyanide, Total	**0.01**	**mg/l**	*J* **RJ**	0.006	0.02	335.2	bb	4/15/2002	*1000356*	
pH (water)	**7.2**	**s.u.**	**# RJ**			150.1	NR	4/17/2002	*1000392*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	NR	4/15/2002	*1000364*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020230**
DATE REPORTED: 07-May-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 28008 Matrix: GW Collection: 4/9/2002 Time: 08:15										
Client ID: **020409WA05P** Sample Description:										
pH (water)	**7.3**	**s.u.**	**# RJ**			150.1	NR	4/17/2002	*1000392*	
Sample Number: 28010 Matrix: GW Collection: 4/9/2002 Time: 08:17										
Client ID: **020409WA07Q** Sample Description:										
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	4/10/2002	*1000341*	
Cyanide, Total	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/15/2002	*1000356*	
pH (water)	**7.9**	**s.u.**	**# RJ**			150.1	NR	4/17/2002	*1000392*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	NR	4/15/2002	*1000364*	
Sample Number: 28012 Matrix: GW Collection: 4/9/2002 Time: 08:05										
Client ID: **020409WA09P** Sample Description:										
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	TDS	4/10/2002	*1000486*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000451*	
Cyanide, Total	**0.03**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/15/2002	*1000356*	
pH (water)	**7.9**	**s.u.**	**# RJ**			150.1	NR	4/17/2002	*1000392*	
Sample Number: 28013 Matrix: GW Collection: 4/9/2002 Time: 08:05										
Client ID: **020409WA09Q** Sample Description:										
pH (water)	**7.9**	**s.u.**	**# RJ**			150.1	NR	4/17/2002	*1000392*	
Sample Number: 28014 Matrix: GW Collection: 4/9/2002 Time: 08:10										
Client ID: **020409WA09R** Sample Description:										
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	4/12/2002	*1000350*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/10/2002	*1000341*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J* RJ**	0.008	0.03	200.7	ez	4/10/2002	*1000341*	
Copper- ICAP	**0.007**	**mg/l**	***J* RJ**	0.006	0.02	200.7	ez	4/10/2002	*1000341*	
Iron - ICAP	**0.47**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/10/2002	*1000341*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.09**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/10/2002	*1000341*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020230**
DATE REPORTED: 07-May-02
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	4/10/2002	*1000341*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/10/2002	*1000341*	
Thallium - Furnace AA	**1.9**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/10/2002	*1000341*	

Approved By: _____ **Date:** 5/7/02
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: **20020230**
DATE REPORTED: 26-Apr-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Sample Number: 28005 QC Prep Batch Number: 1000337 Collection: 4/9/2002 Time: 08:00
Client ID: 020409WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	4/9/2002 / 4/9/2002
1,1,1-Trichloroethane	61	ug/l	1.6	4.9	5		8260	qh	4/9/2002 / 4/9/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	4/9/2002 / 4/9/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethane	2.5	ug/l	1.6	5.1	5	J	8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/9/2002 / 4/9/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	4/9/2002 / 4/9/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/9/2002 / 4/9/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	4/9/2002 / 4/9/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	4/9/2002 / 4/9/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/9/2002 / 4/9/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	4/9/2002 / 4/9/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	4/9/2002 / 4/9/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/9/2002 / 4/9/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/9/2002 / 4/9/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	4/9/2002 / 4/9/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	4/9/2002 / 4/9/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/9/2002 / 4/9/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/9/2002 / 4/9/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	4/9/2002 / 4/9/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	4/9/2002 / 4/9/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/9/2002 / 4/9/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	4/9/2002 / 4/9/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/9/2002 / 4/9/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/9/2002 / 4/9/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	4/9/2002 / 4/9/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	4/9/2002 / 4/9/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	4/9/2002 / 4/9/2002
cis-1,2-Dichloroethene	24	ug/l	1.4	4.3	5		8260	qh	4/9/2002 / 4/9/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	4/9/2002 / 4/9/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	4/9/2002 / 4/9/2002

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

WDNR# 241340550

BATCH NUMBER: **20020230**
DATE REPORTED: 26-Apr-02
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	4/9/2002 / 4/9/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/9/2002 / 4/9/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/9/2002 / 4/9/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	4/9/2002 / 4/9/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/9/2002 / 4/9/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	4/9/2002 / 4/9/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	4/9/2002 / 4/9/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/9/2002 / 4/9/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/9/2002 / 4/9/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	4/9/2002 / 4/9/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	4/9/2002 / 4/9/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	4/9/2002 / 4/9/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/9/2002 / 4/9/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/9/2002 / 4/9/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/9/2002 / 4/9/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/9/2002 / 4/9/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/9/2002 / 4/9/2002
Tetrachloroethene	3.2	ug/l	1.6	4.9	5	J	8260	qh	4/9/2002 / 4/9/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	4/9/2002 / 4/9/2002
trans-1,2-Dichloroethene	5.6	ug/l	1.3	4.0	5		8260	qh	4/9/2002 / 4/9/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/9/2002 / 4/9/2002
Trichloroethene	328	ug/l	1.7	5.4	5		8260	qh	4/9/2002 / 4/9/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	4/9/2002 / 4/9/2002
Vinyl chloride	1.5	ug/l	1.0	3.2	5	J	8260	qh	4/9/2002 / 4/9/2002

Sample Number: 28007 QC Prep Batch Number: 1000337 Collection: 4/9/2002 Time: 08:12
Client ID: 020409WA04Q Sample Description:

1,1,1,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	2		8260	qh	4/9/2002 / 4/9/2002
1,1,1-Trichloroethane	26	ug/l	0.62	2.0	2		8260	qh	4/9/2002 / 4/9/2002
1,1,2,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	2		8260	qh	4/9/2002 / 4/9/2002
1,1,2-Trichloroethane	< 0.88	ug/l	0.88	2.8	2		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethane	3.1	ug/l	0.64	2.0	2		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethene	< 0.68	ug/l	0.68	2.2	2		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloropropene	< 0.86	ug/l	0.86	2.7	2		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichlorobenzene	< 1.0	ug/l	1.0	3.2	2		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichloropropane	< 1.0	ug/l	1.0	3.2	2		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trichlorobenzene	< 0.94	ug/l	0.94	3.0	2		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trimethylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	4/9/2002 / 4/9/2002
1,2-Dibromoethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichlorobenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloroethane	< 0.70	ug/l	0.70	2.2	2		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloropropane	< 0.64	ug/l	0.64	2.0	2		8260	qh	4/9/2002 / 4/9/2002
1,3,5-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	4/9/2002 / 4/9/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020230**
DATE REPORTED: 26-Apr-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	<0.52	ug/l	0.52	1.7	2		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichloropropane	<0.78	ug/l	0.78	2.5	2		8260	qh	4/9/2002 / 4/9/2002
1,4-Dichlorobenzene	<0.72	ug/l	0.72	2.3	2		8260	qh	4/9/2002 / 4/9/2002
12Dibromo-3-chloropropan	<0.66	ug/l	0.66	2.1	2		8260	qh	4/9/2002 / 4/9/2002
2,2-Dichloropropane	<0.54	ug/l	0.54	1.7	2		8260	qh	4/9/2002 / 4/9/2002
2-Butanone (MEK)	<2.8	ug/l	2.8	8.8	2		8260	qh	4/9/2002 / 4/9/2002
2-Chloroethyl Vinyl Ether	<1.4	ug/l	1.4	4.5	2		8260	qh	4/9/2002 / 4/9/2002
2-Chlorotoluene	<0.60	ug/l	0.60	1.9	2		8260	qh	4/9/2002 / 4/9/2002
4-Chlorotoluene	<0.52	ug/l	0.52	1.7	2		8260	qh	4/9/2002 / 4/9/2002
4-Methyl-2-Pentanone	<1.6	ug/l	1.6	5.1	2		8260	qh	4/9/2002 / 4/9/2002
Acetone	<3.1	ug/l	3.1	9.9	2		8260	qh	4/9/2002 / 4/9/2002
Benzene	<0.54	ug/l	0.54	1.7	2		8260	qh	4/9/2002 / 4/9/2002
Bromobenzene	<0.62	ug/l	0.62	2.0	2		8260	qh	4/9/2002 / 4/9/2002
Bromochloromethane	<0.74	ug/l	0.74	2.4	2		8260	qh	4/9/2002 / 4/9/2002
Bromodichloromethane	<0.76	ug/l	0.76	2.4	2		8260	qh	4/9/2002 / 4/9/2002
Bromoform	<0.78	ug/l	0.78	2.5	2		8260	qh	4/9/2002 / 4/9/2002
Bromomethane	<1.3	ug/l	1.3	4.1	2		8260	qh	4/9/2002 / 4/9/2002
Carbon tetrachloride	<0.54	ug/l	0.54	1.7	2		8260	qh	4/9/2002 / 4/9/2002
Chlorobenzene	<0.52	ug/l	0.52	1.7	2		8260	qh	4/9/2002 / 4/9/2002
Chloroethane	<1.3	ug/l	1.3	4.1	2		8260	qh	4/9/2002 / 4/9/2002
Chloroform	<0.48	ug/l	0.48	1.5	2		8260	qh	4/9/2002 / 4/9/2002
Chloromethane	<0.98	ug/l	0.98	3.1	2		8260	qh	4/9/2002 / 4/9/2002
cis-1,2-Dichloroethene	14	ug/l	0.54	1.7	2		8260	qh	4/9/2002 / 4/9/2002
cis-1,3-Dichloropropene	<0.74	ug/l	0.74	2.4	2		8260	qh	4/9/2002 / 4/9/2002
Dibromochloromethane	<0.82	ug/l	0.82	2.6	2		8260	qh	4/9/2002 / 4/9/2002
Dibromomethane	<0.92	ug/l	0.92	2.9	2		8260	qh	4/9/2002 / 4/9/2002
Dichlorodifluoromethane	<0.54	ug/l	0.54	1.7	2		8260	qh	4/9/2002 / 4/9/2002
Ethylbenzene	<0.50	ug/l	0.50	1.6	2		8260	qh	4/9/2002 / 4/9/2002
Hexachlorobutadiene	<0.84	ug/l	0.84	2.7	2		8260	qh	4/9/2002 / 4/9/2002
Isopropyl Ether	<0.60	ug/l	0.60	1.9	2		8260	qh	4/9/2002 / 4/9/2002
Isopropylbenzene	<0.66	ug/l	0.66	2.1	2		8260	qh	4/9/2002 / 4/9/2002
m&p-xylene	<1.1	ug/l	1.1	3.4	2		8260	qh	4/9/2002 / 4/9/2002
Methyl-t-butyl ether	<0.78	ug/l	0.78	2.5	2		8260	qh	4/9/2002 / 4/9/2002
Methylene chloride	<0.60	ug/l	0.60	1.9	2		8260	qh	4/9/2002 / 4/9/2002
n-Butylbenzene	<0.72	ug/l	0.72	2.3	2		8260	qh	4/9/2002 / 4/9/2002
n-Propylbenzene	<0.56	ug/l	0.56	1.8	2		8260	qh	4/9/2002 / 4/9/2002
Naphthalene	<1.5	ug/l	1.5	4.8	2		8260	qh	4/9/2002 / 4/9/2002
o-xylene	<0.50	ug/l	0.50	1.6	2		8260	qh	4/9/2002 / 4/9/2002
p-Isopropyltoluene	<0.62	ug/l	0.62	2.0	2		8260	qh	4/9/2002 / 4/9/2002
sec-Butylbenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	4/9/2002 / 4/9/2002
Styrene	<0.50	ug/l	0.50	1.6	2		8260	qh	4/9/2002 / 4/9/2002
tert-Butylbenzene	<0.60	ug/l	0.60	1.9	2		8260	qh	4/9/2002 / 4/9/2002
Tetrachloroethene	1.0	ug/l	0.62	2.0	2	J	8260	qh	4/9/2002 / 4/9/2002
Toluene	<0.58	ug/l	0.58	1.8	2		8260	qh	4/9/2002 / 4/9/2002
trans-1,2-Dichloroethene	1.4	ug/l	0.50	1.6	2	J	8260	qh	4/9/2002 / 4/9/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020230**
DATE REPORTED: 26-Apr-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.52	ug/l	0.52	1.7	2		8260	qh	4/9/2002 / 4/9/2002
Trichloroethene	137	ug/l	0.68	2.2	2		8260	qh	4/9/2002 / 4/9/2002
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	2		8260	qh	4/9/2002 / 4/9/2002
Vinyl chloride	< 0.40	ug/l	0.40	1.3	2		8260	qh	4/9/2002 / 4/9/2002

Sample Number: 28009 QC Prep Batch Number: 1000337 Collection: 4/9/2002 Time: 08:17
Client ID: 020409WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/9/2002 / 4/9/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/9/2002 / 4/9/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/9/2002 / 4/9/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/9/2002 / 4/9/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/9/2002 / 4/9/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/9/2002 / 4/9/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/9/2002 / 4/9/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/9/2002 / 4/9/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/9/2002 / 4/9/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/9/2002 / 4/9/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020230**
DATE REPORTED: 26-Apr-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/9/2002 / 4/9/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/9/2002 / 4/9/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/9/2002 / 4/9/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/9/2002 / 4/9/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/9/2002 / 4/9/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/9/2002 / 4/9/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/9/2002 / 4/9/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/9/2002 / 4/9/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/9/2002 / 4/9/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/9/2002 / 4/9/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/9/2002 / 4/9/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/9/2002 / 4/9/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/9/2002 / 4/9/2002

Sample Number: 28011
Client ID: 020409WA08P

QC Prep Batch Number: 1000337

Collection: 4/9/2002 Time: 08:20
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/9/2002 / 4/9/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020230**
DATE REPORTED: 26-Apr-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/9/2002 / 4/9/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/9/2002 / 4/9/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/9/2002 / 4/9/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/9/2002 / 4/9/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/9/2002 / 4/9/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/9/2002 / 4/9/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	4/9/2002 / 4/9/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/9/2002 / 4/9/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/9/2002 / 4/9/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/9/2002 / 4/9/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/9/2002 / 4/9/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/9/2002 / 4/9/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/9/2002 / 4/9/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/9/2002 / 4/9/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/9/2002 / 4/9/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/9/2002 / 4/9/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/9/2002 / 4/9/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/9/2002 / 4/9/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/9/2002 / 4/9/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020230**
DATE REPORTED: 26-Apr-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/9/2002 / 4/9/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/9/2002 / 4/9/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/9/2002 / 4/9/2002

Sample Number: 28012 QC Prep Batch Number: 1000337 Collection: 4/9/2002 Time: 08:05
Client ID: 020409WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/9/2002 / 4/9/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/9/2002 / 4/9/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/9/2002 / 4/9/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/9/2002 / 4/9/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/9/2002 / 4/9/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/9/2002 / 4/9/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/9/2002 / 4/9/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/9/2002 / 4/9/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/9/2002 / 4/9/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020230**
DATE REPORTED: 26-Apr-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/9/2002 / 4/9/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/9/2002 / 4/9/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/9/2002 / 4/9/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/9/2002 / 4/9/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/9/2002 / 4/9/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/9/2002 / 4/9/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/9/2002 / 4/9/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/9/2002 / 4/9/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/9/2002 / 4/9/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/9/2002 / 4/9/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/9/2002 / 4/9/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/9/2002 / 4/9/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/9/2002 / 4/9/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/9/2002 / 4/9/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/9/2002 / 4/9/2002

Sample Number: 28015 QC Prep Batch Number: 1000337 Collection: 4/9/2002 Time:
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/9/2002 / 4/9/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/9/2002 / 4/9/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020230
DATE REPORTED: 26-Apr-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/9/2002 / 4/9/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/9/2002 / 4/9/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/9/2002 / 4/9/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/9/2002 / 4/9/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/9/2002 / 4/9/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/9/2002 / 4/9/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/9/2002 / 4/9/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/9/2002 / 4/9/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/9/2002 / 4/9/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/9/2002 / 4/9/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/9/2002 / 4/9/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/9/2002 / 4/9/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/9/2002 / 4/9/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/9/2002 / 4/9/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/9/2002 / 4/9/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/9/2002 / 4/9/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/9/2002 / 4/9/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/9/2002 / 4/9/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/9/2002 / 4/9/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/9/2002 / 4/9/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/9/2002 / 4/9/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020230**
DATE REPORTED: 26-Apr-02
DATE RECEIVED: 09-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	qh	4/9/2002 / 4/9/2002
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	4/9/2002 / 4/9/2002
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	4/9/2002 / 4/9/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	4/9/2002 / 4/9/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	4/9/2002 / 4/9/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	4/9/2002 / 4/9/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	4/9/2002 / 4/9/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	4/9/2002 / 4/9/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	4/9/2002 / 4/9/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	4/9/2002 / 4/9/2002

Approved By: _____ **Date:** 4/26/02
James Chang, PhD, 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
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
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:	**20020240**
DATE REPORTED:	18-Apr-02
DATE RECEIVED:	15-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MW-Round #1
PROJECT NAME:	OGTP -P9

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

Sample Number: 28057
Client ID: 020410

QC Prep Batch Number: 1000398

Collection: 4/10/2002 Time: 10:40
Sample Description: MW02DP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020240**
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

Dr. James Chang
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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28058
Client ID: 020410

QC Prep Batch Number: 1000398

Collection: 4/10/2002 Time: 10:30
Sample Description: MW03DP

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020240**
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

Dr. James Chang
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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	4/15/2002 / 4/15/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020240
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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	4/15/2002 / 4/15/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28059 QC Prep Batch Number: 1000398 Collection: 4/10/2002 Time: 10:55
Client ID: 020410 Sample Description: MW05DP

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	21	ug/l	1.6	5.1	5		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	1.9	ug/l	1.8	5.6	5	J	8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	4/15/2002 / 4/15/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	4/15/2002 / 4/15/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	4/15/2002 / 4/15/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020240**
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	138	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	4/15/2002 / 4/15/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	4.9	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	511	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	2.5	ug/l	1.0	3.2	5	J	8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28060
Client ID: 020410

QC Prep Batch Number: 1000398

Collection: 4/11/2002 Time: 10:30
Sample Description: MW09SP

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020240
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

Dr. James Chang
APL Environmental
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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	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020240**
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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	4/15/2002 / 4/15/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28061 QC Prep Batch Number: 1000398 Collection: 4/10/2002 Time: 11:40
Client ID: 020410 Sample Description: MW12BP

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020240
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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	4/15/2002 / 4/15/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28062
Client ID: 020410

QC Prep Batch Number: 1000398

Collection: 4/10/2002 Time: 11:55
Sample Description: MW12DP

1,1,1,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	2		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	116	ug/l	0.62	2.0	2		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	149	ug/l	0.64	2.0	2		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	51	ug/l	0.68	2.2	2		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020240**
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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	< 0.86	ug/l	0.86	2.7	2		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	< 1.0	ug/l	1.0	3.2	2		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	< 1.0	ug/l	1.0	3.2	2		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	< 0.94	ug/l	0.94	3.0	2		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	< 0.70	ug/l	0.70	2.2	2		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	< 0.64	ug/l	0.64	2.0	2		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	< 0.78	ug/l	0.78	2.5	2		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	< 0.66	ug/l	0.66	2.1	2		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	< 0.54	ug/l	0.54	1.7	2		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	2		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	< 1.4	ug/l	1.4	4.5	2		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	< 0.60	ug/l	0.60	1.9	2		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	< 0.52	ug/l	0.52	1.7	2		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	< 1.6	ug/l	1.6	5.1	2		8260	qh	4/15/2002 / 4/15/2002
Acetone	< 3.1	ug/l	3.1	9.9	2		8260	qh	4/15/2002 / 4/15/2002
Benzene	< 0.54	ug/l	0.54	1.7	2		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	< 0.62	ug/l	0.62	2.0	2		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	< 0.74	ug/l	0.74	2.4	2		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	< 0.76	ug/l	0.76	2.4	2		8260	qh	4/15/2002 / 4/15/2002
Bromoform	< 0.78	ug/l	0.78	2.5	2		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	< 0.54	ug/l	0.54	1.7	2		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	4/15/2002 / 4/15/2002
Chloroform	< 0.48	ug/l	0.48	1.5	2		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	< 0.98	ug/l	0.98	3.1	2		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	32	ug/l	0.54	1.7	2		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	2		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	2		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	2		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	< 0.50	ug/l	0.50	1.6	2		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	2		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	< 0.60	ug/l	0.60	1.9	2		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	2		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	< 1.1	ug/l	1.1	3.4	2		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	2		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	< 0.60	ug/l	0.60	1.9	2		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020240**
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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	<0.56	ug/l	0.56	1.8	2		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<1.5	ug/l	1.5	4.8	2		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<0.50	ug/l	0.50	1.6	2		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<0.62	ug/l	0.62	2.0	2		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	4/15/2002 / 4/15/2002
Styrene	<0.50	ug/l	0.50	1.6	2		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	<0.60	ug/l	0.60	1.9	2		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	<0.62	ug/l	0.62	2.0	2		8260	qh	4/15/2002 / 4/15/2002
Toluene	<0.58	ug/l	0.58	1.8	2		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	10	ug/l	0.50	1.6	2		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	<0.52	ug/l	0.52	1.7	2		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	34	ug/l	0.68	2.2	2		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	<0.48	ug/l	0.48	1.5	2		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	5.9	ug/l	0.40	1.3	2		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28063
Client ID: 020410

QC Prep Batch Number: 1000398

Collection: 4/10/2002 Time: 10:18
Sample Description: MW13SP

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020240
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28064
Client ID: 020410

QC Prep Batch Number: 1000398

Collection: 4/10/2002 Time: 11:10
Sample Description: MW14DP

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020240
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020240
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28065
Client ID: 020410

QC Prep Batch Number: 1000398

Collection: 4/10/2002 Time: 11:20
Sample Description: MW15DP

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020240
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

Dr. James Chang
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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	2.3	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	3.5	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	26	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	20020240
DATE REPORTED:	18-Apr-02
DATE RECEIVED:	15-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MW-Round #1
PROJECT NAME:	OGTP -P9

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

Sample Number: 28066 — QC Prep Batch Number: 1000398 — Collection: 4/11/2002 — Time: 10:15
Client ID: 020410 — Sample Description: MW16SP

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	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	<1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	<1.6	ug/l	1.6	5.1	5		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	<1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	4/15/2002 / 4/15/2002
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	4/15/2002 / 4/15/2002
Benzene	<1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	4/15/2002 / 4/15/2002
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	4/15/2002 / 4/15/2002
Chloroform	<1.2	ug/l	1.2	3.8	5		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	358	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020240
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	<1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	<1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	93	ug/l	1.0	3.2	5		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28077 QC Prep Batch Number: 1000398 Collection: 4/10/2002 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020240
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP ---P9

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	4/15/2002 / 4/15/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020240**
DATE REPORTED:	18-Apr-02
DATE RECEIVED:	15-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MW-Round #1
PROJECT NAME:	OGTP ---P9

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	4/15/2002 / 4/15/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Approved By: _____ **Date:** 4/18/02
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
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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

Sample Number: 28057 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 10:40
Sample Description: MW02DP

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	lu	4/19/2002	1000406	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	ez	4/22/2002	1000384	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	4/18/2002	1000381	
Cadmium-Total Recoverable	<0.4	ug/l	RJ	0.4	1.3	7131	bb	5/1/2002	1000568	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	4/22/2002	1000384	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	4/22/2002	1000384	
Iron - ICAP	0.91	mg/l	RJ	0.081	0.26	200.7	ez	4/22/2002	1000384	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	lu	4/16/2002	1000371	
Manganese - ICAP	0.04	mg/l	RJ	0.006	0.02	200.7	ez	4/22/2002	1000384	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	4/15/2002	1000360	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	4/22/2002	1000384	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	4/19/2002	1000413	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	4/22/2002	1000384	
Thallium - Furnace AA	1.6	ug/l	J RJ	1.3	4.1	279.2	lu	4/17/2002	1000379	
Zinc - ICAP	0.04	mg/l	J RJ	0.014	0.04	200.7	ez	4/22/2002	1000384	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D			1000367	
Cyanide, Amenable	0.008	mg/l	J RJ	0.006	0.02	335.2	bb/nr	5/3/2002	1000556	
Cyanide, Total	0.008	mg/l	J RJ	0.006	0.02	335.2	bb	4/23/2002	1000450	
pH (water)	6.7	s.u.	# RJ			150.1	ad		1000366	

Sample Number: 28058 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 10:30
Sample Description: MW03DP

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	lu	4/19/2002	1000406	
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	ez	4/22/2002	1000384	
Cadmium - Furnace AA	0.51	ug/l	J RJ	0.4	1.3	213.2	bb	4/18/2002	1000381	
Cadmium-Total Recoverable	0.51	ug/l	J RJ	0.4	1.3	7131	bb	5/1/2002	1000568	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	4/22/2002	1000384	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	4/22/2002	1000384	
Iron - ICAP	1.6	mg/l	RJ	0.081	0.26	200.7	ez	4/22/2002	1000384	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	lu	4/16/2002	1000371	
Manganese - ICAP	0.06	mg/l	RJ	0.006	0.02	200.7	ez	4/22/2002	1000384	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20020240**
DATE REPORTED:	16-May-02
DATE RECEIVED:	15-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MW-Round #1
PROJECT NAME:	OGTP -P9

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	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**1.9**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.04**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D			*1000367*	
Cyanide, Amenable	**0.007**	**mg/l**	***J* RJ**	0.006	0.02	335.2	bb/nr	5/3/2002	*1000556*	
Cyanide, Total	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**6.8**	**s.u.**	**# RJ**			150.1	ad		*1000366*	

Sample Number: 28059 Matrix: GW

Client ID: **020410**

Collection: 4/10/2002 Time: 10:55

Sample Description: MW05DP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.14**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**2.6**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.12**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.01**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**6.3**	**ug/l**	***J* RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**2.3**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D			*1000367*	
Cyanide, Amenable	**0.03**	**mg/l**	**RJ**	0.006	0.02	335.2	bb/nr	5/3/2002	*1000556*	
Cyanide, Total	**0.03**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**6.8**	**s.u.**	**# RJ**			150.1	ad		*1000366*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 28060	Matrix: GW						Collection: 4/11/2002	Time: 10:30		
Client ID: **020410**							Sample Description: MW09SP			
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**0.42**	**ug/l**	***J* RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**0.42**	**ug/l**	***J* RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**0.02**	**mg/l**	***J* RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**2**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**1.7**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**2.3**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.04**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D			*1000367*	
Cyanide, Amenable	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb/nr	5/3/2002	*1000556*	
Cyanide, Total	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**7.1**	**s.u.**	**# RJ**			150.1	ad		*1000366*	
Sample Number: 28061	Matrix: GW						Collection: 4/10/2002	Time: 11:40		
Client ID: **020410**							Sample Description: MW12BP			
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.18**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**7.7**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.12**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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	4/15/2002	*1000360*	
Nickel - ICAP	**0.02**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D			*1000367*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	BB/NA	4/22/2002	*1000488*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**6.7**	**s.u.**	**# RJ**			150.1	ad		*1000366*	

Sample Number: 28062 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 11:55
Sample Description: MW12DP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.08**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**0.07**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**1.3**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.04**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**3**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D			*1000367*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	BB/NA	4/22/2002	*1000488*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**6.5**	**s.u.**	**# RJ**			150.1	ad		*1000366*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 28063 Matrix: GW										
Client ID: **020410**								Collection: 4/10/2002	Time: 10:18	
								Sample Description: MW13SP		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.04**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**0.59**	**ug/l**	***J* RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**0.59**	**ug/l**	***J* RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**0.46**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**7.6**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**3.4**	**ug/l**	***J* RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.18**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.18**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**2.6**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.05**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D			*1000367*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	BB/NA	4/22/2002	*1000488*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**7**	**s.u.**	**# RJ**			150.1	ad		*1000366*	
Sample Number: 28064 Matrix: GW										
Client ID: **020410**								Collection: 4/10/2002	Time: 11:10	
								Sample Description: MW14DP		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.04**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**0.009**	**mg/l**	***J* RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.06**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**1.9**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D			*1000367*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	BB/NA	4/22/2002	*1000488*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**6.8**	**s.u.**	**# RJ**			150.1	ad		*1000366*	

Sample Number: 28065 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 11:20
Sample Description: MW15DP

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.2**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**2.6**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D			*1000367*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	BB/NA	4/22/2002	*1000488*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**6.8**	**s.u.**	**# RJ**			150.1	ad		*1000366*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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

Sample Number: 28066 Matrix: GW
Client ID: **020410**
Collection: 4/11/2002 Time: 10:15
Sample Description: MW16SP

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	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.03**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**1**	**ug/l**	***J* RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**1**	**ug/l**	***J* RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**11**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.18**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**12**	**ug/l**	***J* RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**2.3**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.04**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D			*1000367*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	BB/NA	4/22/2002	*1000488*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**6.2**	**s.u.**	**# RJ**			150.1	ad		*1000366*	

Sample Number: 28067 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 10:40
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	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**0.79**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.04**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP -P9

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	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**1.6**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28068 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 10:30
Sample Description: MW03DF

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.08**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**0.43**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.06**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28069 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 10:55
Sample Description: MW05DF

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.15**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**2.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP ---P9

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	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.13**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.01**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**5.5**	**ug/l**	***J* RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**1.9**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28070 Matrix: GW
Client ID: **020410**
Collection: 4/11/2002 Time: 10:30
Sample Description: MW09SF

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.11**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28071 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 11:40
Sample Description: MW12BF

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.07**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP ---P9

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Copper- ICAP	**0.007**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28072 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 11:55
Sample Description: MW12DF

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.07**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**0.58**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.03**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28073 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 10:18
Sample Description: MW13SF

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.03**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20020240**
DATE REPORTED:	16-May-02
DATE RECEIVED:	15-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MW-Round #1
PROJECT NAME:	OGTP ---P9

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-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**7.1**	**ug/l**	***J*** **RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.04**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28074 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 11:10
Sample Description: MW14DF

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.04**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.06**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28075 Matrix: GW
Client ID: **020410**
Collection: 4/10/2002 Time: 11:20
Sample Description: MW15DF

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020240**
DATE REPORTED: 16-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: MW-Round #1
PROJECT NAME: OGTP ---P9

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.2**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28076 Matrix: GW
Client ID: **020410**
Collection: 4/11/2002 Time: 10:15
Sample Description: MW16SF

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**8.4**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/15/2002	*1000360*	
Nickel - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**1.9**	**ug/l**	***J*** **RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20020240**
DATE REPORTED:	16-May-02
DATE RECEIVED:	15-Apr-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	MW-Round #1
PROJECT NAME:	OGTP ---P9

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:** 5/16/02
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20020242**
DATE REPORTED: 07-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 28093	Matrix: GW						Collection: 4/15/2002	Time: 10:19		
Client ID: **020415**							Sample Description: WA09P			
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	TDS	4/10/2002	*1000486*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	BB/NA	4/22/2002	*1000488*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1	ad		*1000366*	
Sample Number: 28094	Matrix: GW						Collection: 4/15/2002	Time: 10:10		
Client ID: **020415**							Sample Description: WA01P			
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/23/2002	*1000501*	
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**2.6**	**ug/l**	***J* RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	TDS	4/10/2002	*1000486*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	BB/NA	4/22/2002	*1000488*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**6.8**	**s.u.**	**# RJ**			150.1	ad		*1000366*	
Sample Number: 28095	Matrix: GW						Collection: 4/15/2002	Time: 10:23		
Client ID: **020415**							Sample Description: WA09R			
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	4/19/2002	*1000406*	
Barium - ICAP	**0.09**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	4/22/2002	*1000384*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020242**
DATE REPORTED: 07-May-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/18/2002	*1000381*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	4/22/2002	*1000384*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Iron - ICAP	**0.34**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	4/22/2002	*1000384*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	4/16/2002	*1000371*	
Manganese - ICAP	**0.13**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	4/22/2002	*1000384*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	4/23/2002	*1000501*	
Nickel - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	4/22/2002	*1000384*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	4/19/2002	*1000413*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	4/22/2002	*1000384*	
Thallium - Furnace AA	**1.9**	**ug/l**	***J*** **RJ**	1.3	4.1	279.2	lu	4/17/2002	*1000379*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	4/22/2002	*1000384*	

Sample Number: 28096 Matrix: GW
Client ID: **020415**
Collection: 4/15/2002 Time: 10:15
Sample Description: WA05P

pH (water)	**7.2**	**s.u.**	**# RJ**			150.1	ad		*1000366*

Approved By: _____ **Date:** 5/7/02
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: **20020242**
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Sample Number: 28093
Client ID: 020415

QC Prep Batch Number: 1000398

Collection: 4/15/2002 Time: 10:19
Sample Description: WA09P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020242
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28094
Client ID: 020415

QC Prep Batch Number: 1000398

Collection: 4/15/2002 Time: 10:10
Sample Description: WA01P

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	78	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	9.3	ug/l	1.6	5.1	5		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020242
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	4/15/2002 / 4/15/2002
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	4/15/2002 / 4/15/2002
Benzene	<1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	4/15/2002 / 4/15/2002
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	4/15/2002 / 4/15/2002
Chloroform	<1.2	ug/l	1.2	3.8	5		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	34	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	qh	4/15/2002 / 4/15/2002
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	3.0	ug/l	1.3	4.0	5	J	8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020242**
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	310	ug/l	1.7	5.4	5		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	1.5	ug/l	1.0	3.2	5	J	8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28097 QC Prep Batch Number: 1000398 Collection: 4/15/2002 Time: 10:17
Client ID: 020415 Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020242
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	0.43	ug/l	0.24	0.76	1	J	8260	qh	4/15/2002 / 4/15/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Sample Number: 28098 QC Prep Batch Number: 1000398 Collection: 4/15/2002 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/15/2002 / 4/15/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020242
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	4/15/2002 / 4/15/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	4/15/2002 / 4/15/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	4/15/2002 / 4/15/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	4/15/2002 / 4/15/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	4/15/2002 / 4/15/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	4/15/2002 / 4/15/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	4/15/2002 / 4/15/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	4/15/2002 / 4/15/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	4/15/2002 / 4/15/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	4/15/2002 / 4/15/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	4/15/2002 / 4/15/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	4/15/2002 / 4/15/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	4/15/2002 / 4/15/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	4/15/2002 / 4/15/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	4/15/2002 / 4/15/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	4/15/2002 / 4/15/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020242**
DATE REPORTED: 18-Apr-02
DATE RECEIVED: 15-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	4/15/2002 / 4/15/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	4/15/2002 / 4/15/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	4/15/2002 / 4/15/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	4/15/2002 / 4/15/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	4/15/2002 / 4/15/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	4/15/2002 / 4/15/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	4/15/2002 / 4/15/2002

Approved By: James Chang, Ph.D., Lab Director **Date:** 5/10/02

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
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
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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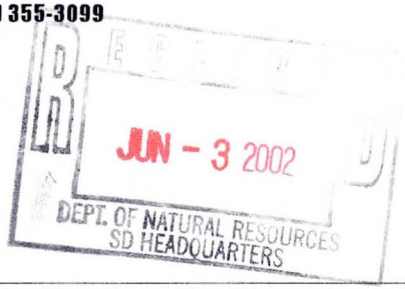
ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020264**
DATE REPORTED: 16-May-02
DATE RECEIVED: 22-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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



Sample Number: 28202
Client ID: 020422

QC Prep Batch Number: 1000498

Collection: 4/22/2002 Time: 10:25
Sample Description: WA01P

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	4/22/2002 / 4/22/2002
1,1,1-Trichloroethane	90	ug/l	1.6	4.9	5		8260	qh	4/22/2002 / 4/22/2002
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	4/22/2002 / 4/22/2002
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloroethane	10	ug/l	1.6	5.1	5		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloroethene	<1.7	ug/l	1.7	5.4	5		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	qh	4/22/2002 / 4/22/2002
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	qh	4/22/2002 / 4/22/2002
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	qh	4/22/2002 / 4/22/2002
1,2,4-Trimethylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	4/22/2002 / 4/22/2002
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	qh	4/22/2002 / 4/22/2002
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/22/2002 / 4/22/2002
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	4/22/2002 / 4/22/2002
12Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	qh	4/22/2002 / 4/22/2002
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	4/22/2002 / 4/22/2002
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	4/22/2002 / 4/22/2002
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	4/22/2002 / 4/22/2002
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	4/22/2002 / 4/22/2002
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/22/2002 / 4/22/2002
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	4/22/2002 / 4/22/2002
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	4/22/2002 / 4/22/2002
Benzene	<1.4	ug/l	1.4	4.3	5		8260	qh	4/22/2002 / 4/22/2002
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	4/22/2002 / 4/22/2002
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	4/22/2002 / 4/22/2002
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	4/22/2002 / 4/22/2002
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	4/22/2002 / 4/22/2002
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	4/22/2002 / 4/22/2002
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	4/22/2002 / 4/22/2002
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	4/22/2002 / 4/22/2002
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	4/22/2002 / 4/22/2002
Chloroform	<1.2	ug/l	1.2	3.8	5		8260	qh	4/22/2002 / 4/22/2002
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	qh	4/22/2002 / 4/22/2002
cis-1,2-Dichloroethene	39	ug/l	1.4	4.3	5		8260	qh	4/22/2002 / 4/22/2002
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	qh	4/22/2002 / 4/22/2002
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	qh	4/22/2002 / 4/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020264**
DATE REPORTED: 16-May-02
DATE RECEIVED: 22-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	4/22/2002 / 4/22/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/22/2002 / 4/22/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	4/22/2002 / 4/22/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/22/2002 / 4/22/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	4/22/2002 / 4/22/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	4/22/2002 / 4/22/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/22/2002 / 4/22/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/22/2002 / 4/22/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	4/22/2002 / 4/22/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	4/22/2002 / 4/22/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	4/22/2002 / 4/22/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/22/2002 / 4/22/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/22/2002 / 4/22/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/22/2002 / 4/22/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/22/2002 / 4/22/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/22/2002 / 4/22/2002
Tetrachloroethene	2.8	ug/l	1.6	4.9	5	J	8260	qh	4/22/2002 / 4/22/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	4/22/2002 / 4/22/2002
trans-1,2-Dichloroethene	4.2	ug/l	1.3	4.0	5		8260	qh	4/22/2002 / 4/22/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/22/2002 / 4/22/2002
Trichloroethene	317	ug/l	1.7	5.4	5		8260	qh	4/22/2002 / 4/22/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	4/22/2002 / 4/22/2002
Vinyl chloride	1.9	ug/l	1.0	3.2	5	J	8260	qh	4/22/2002 / 4/22/2002

Sample Number: 28204
Client ID: 020422

QC Prep Batch Number: 1000498

Collection: 4/22/2002 Time: 10:32
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/22/2002 / 4/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/22/2002 / 4/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/22/2002 / 4/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/22/2002 / 4/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/22/2002 / 4/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/22/2002 / 4/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002

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

WDNR# 241340550

BATCH NUMBER: **20020264**
DATE REPORTED: 16-May-02
DATE RECEIVED: 22-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/22/2002 / 4/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/22/2002 / 4/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/22/2002 / 4/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/22/2002 / 4/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/22/2002 / 4/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/22/2002 / 4/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/22/2002 / 4/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/22/2002 / 4/22/2002
Chloroform	0.24	ug/l	0.24	0.76	1		8260	qh	4/22/2002 / 4/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/22/2002 / 4/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/22/2002 / 4/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/22/2002 / 4/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/22/2002 / 4/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/22/2002 / 4/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/22/2002 / 4/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/22/2002 / 4/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/22/2002 / 4/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/22/2002 / 4/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/22/2002 / 4/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020264**
DATE REPORTED: 16-May-02
DATE RECEIVED: 22-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/22/2002 / 4/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/22/2002 / 4/22/2002

Sample Number: 28205 QC Prep Batch Number: 1000498 Collection: 4/22/2002 Time: 10:34
Client ID: 020422 Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/22/2002 / 4/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/22/2002 / 4/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/22/2002 / 4/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/22/2002 / 4/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/22/2002 / 4/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/22/2002 / 4/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/22/2002 / 4/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/22/2002 / 4/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/22/2002 / 4/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/22/2002 / 4/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/22/2002 / 4/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/22/2002 / 4/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/22/2002 / 4/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/22/2002 / 4/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020264**
DATE REPORTED: 16-May-02
DATE RECEIVED: 22-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/22/2002 / 4/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/22/2002 / 4/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/22/2002 / 4/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/22/2002 / 4/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/22/2002 / 4/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/22/2002 / 4/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/22/2002 / 4/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/22/2002 / 4/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/22/2002 / 4/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/22/2002 / 4/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/22/2002 / 4/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/22/2002 / 4/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/22/2002 / 4/22/2002

Sample Number: 28206 QC Prep Batch Number: 1000498 Collection: 4/22/2002 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/22/2002 / 4/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/22/2002 / 4/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/22/2002 / 4/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/22/2002 / 4/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/22/2002 / 4/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/22/2002 / 4/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020264**
DATE REPORTED: 16-May-02
DATE RECEIVED: 22-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/22/2002 / 4/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/22/2002 / 4/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/22/2002 / 4/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/22/2002 / 4/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/22/2002 / 4/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/22/2002 / 4/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/22/2002 / 4/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/22/2002 / 4/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/22/2002 / 4/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/22/2002 / 4/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/22/2002 / 4/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/22/2002 / 4/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/22/2002 / 4/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/22/2002 / 4/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/22/2002 / 4/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/22/2002 / 4/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/22/2002 / 4/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/22/2002 / 4/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/22/2002 / 4/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/22/2002 / 4/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/22/2002 / 4/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/22/2002 / 4/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020264**
DATE REPORTED: 16-May-02
DATE RECEIVED: 22-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	4/22/2002 / 4/22/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	4/22/2002 / 4/22/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	4/22/2002 / 4/22/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	4/22/2002 / 4/22/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	4/22/2002 / 4/22/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	4/22/2002 / 4/22/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	4/22/2002 / 4/22/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	4/22/2002 / 4/22/2002

Approved By: James Chang, Ph.D. , Lab Director **Date:** 5/16/02

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
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020264**
DATE REPORTED: 16-May-02
DATE RECEIVED: 22-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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

Sample Number: 28201 Matrix: GW
Client ID: **020422**
Collection: 4/22/2002 Time: 10:38
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	bb	4/29/2002	*1000506*	
Barium - ICAP	**0.09**	**mg/l**		**RJ**	0.007	0.02	200.7	ez	5/2/2002	*1000525*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	LU	4/30/2002	*1000533*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	ez	5/2/2002	*1000525*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	5/2/2002	*1000525*	
Iron - ICAP	**0.33**	**mg/l**		**RJ**	0.081	0.26	200.7	ez	5/2/2002	*1000525*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	LU	4/30/2002	*1000532*	
Manganese - ICAP	**0.1**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	5/2/2002	*1000525*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	4/23/2002	*1000501*	
Nickel - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	ez	5/2/2002	*1000525*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	LU	5/1/2002	*1000545*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	ez	5/2/2002	*1000525*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	LU	5/2/2002	*1000546*	
Zinc - ICAP	**0.04**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	ez	5/2/2002	*1000525*	

Sample Number: 28202 Matrix: GW
Client ID: **020422**
Collection: 4/22/2002 Time: 10:25
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	bb	4/29/2002	*1000506*	
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.007	0.02	200.7	ez	5/2/2002	*1000525*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	LU	4/30/2002	*1000533*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	bb	5/1/2002	*1000568*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	ez	5/2/2002	*1000525*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	5/2/2002	*1000525*	
Iron - ICAP	**1.1**	**mg/l**		**RJ**	0.081	0.26	200.7	ez	5/2/2002	*1000525*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	LU	4/30/2002	*1000532*	
Manganese - ICAP	**0.15**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	5/2/2002	*1000525*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	4/23/2002	*1000501*	
Nickel - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	ez	5/2/2002	*1000525*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	LU	5/1/2002	*1000545*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	ez	5/2/2002	*1000525*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20020264**
DATE REPORTED: 16-May-02
DATE RECEIVED: 22-Apr-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	LU	5/2/2002	*1000546*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	5/2/2002	*1000525*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	JTS	4/23/2002	*1000492*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000535*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**6.8**	**s.u.**	**# RJ**			150.1	lu	4/22/2002	*1000531*	

Sample Number: 28203 Matrix: GW
Client ID: **020422**
Collection: 4/22/2002 Time: 10:30
Sample Description: WA05P

pH (water)	**7.2**	**s.u.**	**# RJ**			150.1	lu	4/22/2002	*1000531*	

Sample Number: 28205 Matrix: GW
Client ID: **020422**
Collection: 4/22/2002 Time: 10:34
Sample Description: WA09P

Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	JTS	4/23/2002	*1000492*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000535*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	4/23/2002	*1000450*	
pH (water)	**7.8**	**s.u.**	**# RJ**			150.1	lu	4/22/2002	*1000531*	

Approved By: _____ **Date:** 5/16/02
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020299**
DATE REPORTED:	10-May-02
DATE RECEIVED:	01-May-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

Dr. James Chang
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Milwaukee , WI 53223

Sample Number: 28421
Client ID: 020430

QC Prep Batch Number: 1000627

Collection: 4/30/2002 Time: 08:15
Sample Description: WA01P

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	5/3/2002 / 5/3/2002
1,1,1-Trichloroethane	70	ug/l	1.6	4.9	5		8260	qh	5/3/2002 / 5/3/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	5/3/2002 / 5/3/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloroethane	< 1.6	ug/l	1.6	5.1	5		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloroethene	9.5	ug/l	1.7	5.4	5		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	5/3/2002 / 5/3/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	5/3/2002 / 5/3/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	5/3/2002 / 5/3/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	5/3/2002 / 5/3/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/3/2002 / 5/3/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	5/3/2002 / 5/3/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/3/2002 / 5/3/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/3/2002 / 5/3/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/3/2002 / 5/3/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	5/3/2002 / 5/3/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	5/3/2002 / 5/3/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/3/2002 / 5/3/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	5/3/2002 / 5/3/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	5/3/2002 / 5/3/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/3/2002 / 5/3/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/3/2002 / 5/3/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	5/3/2002 / 5/3/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	5/3/2002 / 5/3/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/3/2002 / 5/3/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	5/3/2002 / 5/3/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	5/3/2002 / 5/3/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	5/3/2002 / 5/3/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/3/2002 / 5/3/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	5/3/2002 / 5/3/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/3/2002 / 5/3/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/3/2002 / 5/3/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	5/3/2002 / 5/3/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	5/3/2002 / 5/3/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	5/3/2002 / 5/3/2002
cis-1,2-Dichloroethene	21	ug/l	1.4	4.3	5		8260	qh	5/3/2002 / 5/3/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	5/3/2002 / 5/3/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	5/3/2002 / 5/3/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020299**
DATE REPORTED: 10-May-02
DATE RECEIVED: 01-May-02
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	5/3/2002 / 5/3/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/3/2002 / 5/3/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/3/2002 / 5/3/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	5/3/2002 / 5/3/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/3/2002 / 5/3/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	5/3/2002 / 5/3/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	5/3/2002 / 5/3/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/3/2002 / 5/3/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/3/2002 / 5/3/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	5/3/2002 / 5/3/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	5/3/2002 / 5/3/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	5/3/2002 / 5/3/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/3/2002 / 5/3/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	5/3/2002 / 5/3/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/3/2002 / 5/3/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/3/2002 / 5/3/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/3/2002 / 5/3/2002
Tetrachloroethene	2.2	ug/l	1.6	4.9	5	J	8260	qh	5/3/2002 / 5/3/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	5/3/2002 / 5/3/2002
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/3/2002 / 5/3/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/3/2002 / 5/3/2002
Trichloroethene	274	ug/l	1.7	5.4	5		8260	qh	5/3/2002 / 5/3/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	5/3/2002 / 5/3/2002
Vinyl chloride	1.7	ug/l	1.0	3.2	5	J	8260	qh	5/3/2002 / 5/3/2002

Sample Number: 28423
Client ID: 020430

QC Prep Batch Number: 1000627

Collection: 4/30/2002 Time: 08:22
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	5/3/2002 / 5/3/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	5/3/2002 / 5/3/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	5/3/2002 / 5/3/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	5/3/2002 / 5/3/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	5/3/2002 / 5/3/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	5/3/2002 / 5/3/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	5/3/2002 / 5/3/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020299**
DATE REPORTED: 10-May-02
DATE RECEIVED: 01-May-02
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	5/3/2002 / 5/3/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/3/2002 / 5/3/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/3/2002 / 5/3/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/3/2002 / 5/3/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	5/3/2002 / 5/3/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	5/3/2002 / 5/3/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	5/3/2002 / 5/3/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	5/3/2002 / 5/3/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	5/3/2002 / 5/3/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	5/3/2002 / 5/3/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/3/2002 / 5/3/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/3/2002 / 5/3/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/3/2002 / 5/3/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/3/2002 / 5/3/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/3/2002 / 5/3/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/3/2002 / 5/3/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	5/3/2002 / 5/3/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/3/2002 / 5/3/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/3/2002 / 5/3/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/3/2002 / 5/3/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	5/3/2002 / 5/3/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020299**
DATE REPORTED: 10-May-02
DATE RECEIVED: 01-May-02
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	5/3/2002 / 5/3/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	5/3/2002 / 5/3/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	5/3/2002 / 5/3/2002

Sample Number: 28424 QC Prep Batch Number: 1000627 Collection: 4/30/2002 Time: 08:24
Client ID: 020430 Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	5/3/2002 / 5/3/2002
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	5/3/2002 / 5/3/2002
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	5/3/2002 / 5/3/2002
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	5/3/2002 / 5/3/2002
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	5/3/2002 / 5/3/2002
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	5/3/2002 / 5/3/2002
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	5/3/2002 / 5/3/2002
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	5/3/2002 / 5/3/2002
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	5/3/2002 / 5/3/2002
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	5/3/2002 / 5/3/2002
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	qh	5/3/2002 / 5/3/2002
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	qh	5/3/2002 / 5/3/2002
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	qh	5/3/2002 / 5/3/2002
Acetone	< 1.6	**ug/l**	1.6	4.9	1		8260	qh	5/3/2002 / 5/3/2002
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Bromodichloromethane	< 0.38	**ug/l**	0.38	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Bromoform	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	5/3/2002 / 5/3/2002
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	5/3/2002 / 5/3/2002

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

WDNR# 241340550

BATCH NUMBER: **20020299**
DATE REPORTED: 10-May-02
DATE RECEIVED: 01-May-02
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	5/3/2002 / 5/3/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/3/2002 / 5/3/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/3/2002 / 5/3/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/3/2002 / 5/3/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/3/2002 / 5/3/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/3/2002 / 5/3/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	5/3/2002 / 5/3/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/3/2002 / 5/3/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/3/2002 / 5/3/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/3/2002 / 5/3/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	5/3/2002 / 5/3/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/3/2002 / 5/3/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	5/3/2002 / 5/3/2002

Sample Number: 28425
Client ID: TRIP BLANK

QC Prep Batch Number: 1000627

Collection: 4/30/2002 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	5/3/2002 / 5/3/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	5/3/2002 / 5/3/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	5/3/2002 / 5/3/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	5/3/2002 / 5/3/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	5/3/2002 / 5/3/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	5/3/2002 / 5/3/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020299**
DATE REPORTED: 10-May-02
DATE RECEIVED: 01-May-02
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	5/3/2002 / 5/3/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	5/3/2002 / 5/3/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/3/2002 / 5/3/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/3/2002 / 5/3/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/3/2002 / 5/3/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	5/3/2002 / 5/3/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	5/3/2002 / 5/3/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	5/3/2002 / 5/3/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	5/3/2002 / 5/3/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	5/3/2002 / 5/3/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	5/3/2002 / 5/3/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/3/2002 / 5/3/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/3/2002 / 5/3/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/3/2002 / 5/3/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/3/2002 / 5/3/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/3/2002 / 5/3/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/3/2002 / 5/3/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/3/2002 / 5/3/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	5/3/2002 / 5/3/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/3/2002 / 5/3/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/3/2002 / 5/3/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/3/2002 / 5/3/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/3/2002 / 5/3/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002

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

WDNR# 241340550

BATCH NUMBER: **20020299**
DATE REPORTED: 10-May-02
DATE RECEIVED: 01-May-02
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	5/3/2002 / 5/3/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	5/3/2002 / 5/3/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	5/3/2002 / 5/3/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	5/3/2002 / 5/3/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	5/3/2002 / 5/3/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/3/2002 / 5/3/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/3/2002 / 5/3/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	5/3/2002 / 5/3/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	5/3/2002 / 5/3/2002

Approved By: _____ **Date:** 5/10/02
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
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020299**
DATE REPORTED: 17-May-02
DATE RECEIVED: 01-May-02
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: 28420 Matrix: GW
Client ID: **020430**
Collection: 4/30/2002 Time: 08:30
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	bb	5/6/2002	*1000583*	
Barium - ICAP	**0.09**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	5/15/2002	*1000677*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	5/7/2002	*1000592*	
Cadmium-Total Recoverable	**0**	**ug/l**		0.4	1.3	7131				*Preliminary Data*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	5/15/2002	*1000677*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Iron - ICAP	**0.54**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	5/15/2002	*1000677*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	5/9/2002	*1000616*	
Manganese - ICAP	**0.12**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	5/6/2002	*1000572*	
Nickel - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	5/15/2002	*1000677*	
Selenium - Furnace AA	**6.7**	**ug/l**	***J*** **RJ**	4.8	15	270.2	lu	5/9/2002	*1000617*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	5/15/2002	*1000677*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	LU	5/2/2002	*1000546*	
Zinc - ICAP	**0.06**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	5/15/2002	*1000677*	

Sample Number: 28421 Matrix: GW
Client ID: **020430**
Collection: 4/30/2002 Time: 08:15
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	bb	5/6/2002	*1000583*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	5/15/2002	*1000677*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	5/7/2002	*1000592*	
Cadmium-Total Recoverable	**0**	**ug/l**		0.4	1.3	7131				*Preliminary Data*
Chromium, Total - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.008	0.03	200.7	ez	5/15/2002	*1000677*	
Copper- ICAP	**0.006**	**mg/l**	***J*** **RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Iron - ICAP	**1.4**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	5/15/2002	*1000677*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	5/9/2002	*1000616*	
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	5/6/2002	*1000572*	
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	5/15/2002	*1000677*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	lu	5/9/2002	*1000617*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	5/15/2002	*1000677*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020299**
DATE REPORTED: 17-May-02
DATE RECEIVED: 01-May-02
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
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	LU	5/2/2002	*1000546*	
Zinc - ICAP	**0.07**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	5/15/2002	*1000677*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	jts	5/1/2002	*1000584*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	5/17/2002	*1000704*	
Cyanide, Total	**0.01**	**mg/l**	***J* RJ**	0.006	0.02	335.2	bb/nr	5/17/2002	*1000702*	
pH (water)	**6.9**	**s.u.**	**# rj**			150.1	lu	5/1/2002	*1000527*	
Sample Number: 28422		Matrix: GW						Collection: 4/30/2002		Time: 08:20
Client ID: **020430**								Sample Description: WA05P		
pH (water)	**7.3**	**s.u.**	**# rj**			150.1	lu	5/1/2002	*1000527*	
Sample Number: 28424		Matrix: GW						Collection: 4/30/2002		Time: 08:24
Client ID: **020430**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500D	jts	5/1/2002	*1000584*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	5/17/2002	*1000704*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb/nr	5/17/2002	*1000702*	
pH (water)	**7.9**	**s.u.**	**# rj**			150.1	lu	5/1/2002	*1000527*	

Approved By: _____ **Date:** 5/17/02
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.