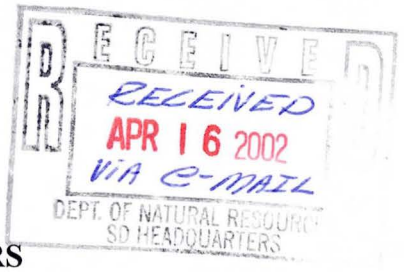
MARCH 2002

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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April 15, 2002

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for March, 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, En Chem, Inc., 525 Science Drive, Madison, WI 53711, 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 cyanide, metals, suspended solids, and volatile organic compounds (VOC's). The treated water is then transferred to a groundwater effluent gallery, located south of Elm Street, near Davey Creek.

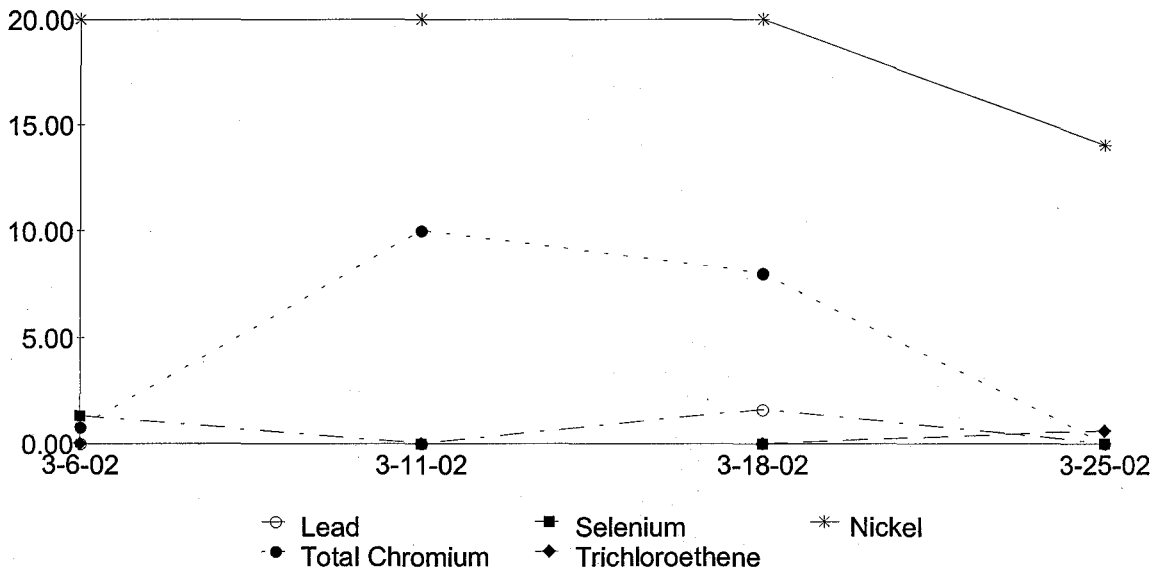
1.3 Effluent Monitoring

Weekly monitoring was conducted on March 6, 11, 18, and 25. The weekly samples for March were tested by APL, Inc. The monthly samples that were taken on March 6, were split-sampled and sent to En Chem, Inc. located in Madison, WI. This was requested by the USACE and is conducted quarterly for their QA requirements. The March 25 samples were tested by Test America, Inc. located in Watertown, WI. The results of the effluent monitoring tests for the samples taken in March showed an exceedence of Trichloroethene and an exceedence of Lead 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 Extraction Well Monitoring

Another round of Extraction and Water Well sampling was conducted on March 1. The Extraction and Water Well sampling is conducted on the first 2 quarters of the year. The results of the Extraction and Water Wells' analyses are enclosed with this report.

2.0 Plant Permit Exceedences

The results of the effluent monitoring tests for the samples taken in March, 2002, showed exceedences of Trichloroethene and Lead from the WDNR effluent discharge permit. Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Lead from the March 18 sampling. The March 18 result of Lead was 1.6 ug/l and the permit limit for Lead is 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. 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 March 25 weekly sampling round showed an exceedence in Trichloroethene of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96).* The March 25 Trichloroethene result was 0.59 ug/l and the permit limit is 0.5 ug/l. Mr. Kozol allowed the treatment plant to

continue operating based on the "Shutting Down of the Metals Package" for the Pilot Study. Mr. Kozol, stated that "if the results doubles the Preventative Action Limit (PAL), then more drastic measures will need to be taken. The cause of the Trichloroethene may be due to the coating of the Carbon with polymer prior to the Pilot Study. The operators were operating only one Granulated Activated Carbon Unit (GAC-651) at the time of the Trichloroethene exceedence. GAC-651 was in operation prior to the Pilot Study and the operators were experiencing problems with it's efficiency in the removal of Chlorine (Cl2), also. GAC-651 is having it's Carbon replaced at this time.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down one time for a total of 0.25 hours in March, 2002. The shut down was due to Operator Error. Table 1 shows the summary of the plant down times for the month of March, 2002.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
3-4-02	0.25	Shut Down Due to Operator Error
TOTAL	**0.25**	

3.1 Shut Down Due to Operator Error

On March 3, the treatment plant operator neglected to shut off the Exhaust Fan (EF-961) after performing an effluent backwash on the Tertiary Filtration System (TF-600). The temperature for March 3 reached a high of 15 F (without wind chill index) and at night dropped to -19 F. The EF-961 is capable of venting the entire building within a couple of minutes. On March 4, at 5 A.M., the problem was discovered upon the arrival of the operator for the work day. EF-961 was shut down and all Gas Fired Unit Heaters (GUH's) were reset and activated at their highest settings (only 2 were functioning at this time). An inspection was made of all equipment in the plant. The Security System could not be read, the Tertiary Filtration Holding Tank's (TFT-601) level indicator was showing false readings, the Programmable Logic Controller (PLC) was showing false readings, the Transfer Pump (TP-521) would not activate, TF-600's backwash valve assembly was broken, the Polymer Feed Unit (PFU-351) was broken, the East Emergency

Shower had broken valves, the Equalization Tank's Solids Removal Pump (ESP-121) was leaking, the potable water's backflow protector was broken, and a water line's isolation valve was broken. The portable space heater was placed near the level indicator for TFT-601 and when it thawed out, the Treatment System Feed Pump (TFP-110) kicked out and could not be restarted in the automatic mode. The treatment plant shut down, the Diffused Air Stripper (DAS-500) flooded out, and it's blower could not be restarted. The PLC kept kicking out and needed to be rebooted about every 10 minutes until 11:00 A.M. Icicles were hanging off of most of the process equipment. DAS-500 blower was replaced with a spare off of the shelf, but it still would not activate. A call was made to Pieper Electric to assist with it's trouble shooting. The old blower motor had been fading, so a new one was purchased and kept on the shelf, (October, 2001). TF-600's backwash valve assembly was rebuilt and the potable water's backflow protector was isolated. The building temperature was between 40 and 50 degrees F at the end of the work day. On March 5, the potable water's backflow protector was removed, inspected, and rebuilt. A new valve was installed and it was functioning, again. Pieper Electric arrived and inspected DAS-500. He discovered that the linkage for the breaker was binding and prevented it from resetting and that some of the wire nuts needed to be replaced. The linkage problem may be due to the very low building temperatures. He inspected TFP-110 and it restarted in the automatic mode and he inspected TP-521 and it activated. These problems may also have been due to the very cold temperatures. The Press Filtrate Transfer Pump (PFP-831) had a broken valve and the NPDES station did not record any totalized discharge during the freeze out. Total down time was only 0.25 hours, but the problems persisted for most of the month. 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 March, 2002. There are no filter press loads of dewatered sludge in the hopper at the end of March, 2002.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on March 6, 11, 18, and 25 of 2002. Another round of Extraction Wells' samplings were conducted in March, 2002. Split-sampling and analysis was conducted on the March 6 samples. The USACE exercised their option to split-sample the effluent for their QA analysis by an outside laboratory. This is conducted on a quarterly basis. The laboratory results of these samples showed that there were exceedences in Lead and Trichloroethene of 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 March, 2002, the plant was shut down one time for a total of 0.25 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 April 15, 2002.

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

On January 21, the EPA's Pilot Study was initiated. The Metals Package was by-passed and 2 24 hour turn around sample analyses were conducted (*the results are included with this report*). 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 March 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.

WEEK #7

OCONOMOWOC GROUNDWATER TREATMENT PLANT Weekly Sampling Results					Date: 3-06-02		
Parameter	Influent	fter FT-31	Before Air Stripper	Before Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1/7.2	7.6	7.6	8	7.6/7.7	Monitor	
TSS	<0.5/5	2/11	NT	<0.5/10	8/5	Monitor	mg/l
Arsenic	<5.6/1.8	NT	<5.6/1.7	<5.6/2	<5.6/0.83	5	
Barium	100/100	NT	100/120	110/120	90/100	400	
Cadmium	<0.4/0.17	NT	<0.4/<0.17	<0.4/<0.17	<0.4/<0.17	0.5	
Cadmium Total Recoverable	<0.4/<0.17	NT	<0.4/<0.17	<0.4/<0.17	<0.4/<0.17	Monitor	
Chromium +6	<4.2/<12	NT	NT	NT	<4.2/<12	Monitor	
Chromium Total	<8/0.66	NT	<8/1.4	<8/1.5	<8/0.77	10	
Copper	<6/<2.2	NT	<6/2.3	<6/2.3	<6/<2.2	Monitor	
Iron	1100/1200	NT	1300/1500	1700/1900	<81/170	Monitor	
Lead	<1.5/<0.24	NT	<1.5/<0.24	<1.5/<0.24	<1.5/<0.24	1.5	
Manganese	120/120	NT	140/150	140/150	150/160	Monitor	
Mercury	<0.2/<0.14	NT	<0.2/<0.14	<0.2/<0.14	<0.2/<0.14	0.2	
Nickel	20/30/18/28	20/18	20/18	20/20/18/18	20/14	20	
Selenium	<4.8/1.9	NT	<4.8/1.6	<4.8/1.2	<4.8/1.3	10	
Silver	<4/<0.14	NT	<4/<0.14	<4/<0.14	<4/<0.14	10	
Thallium	<1.3/<0.096	NT	<1.3/<0.096	<1.3/<0.096	<1.3/<0.096	0.4	
Zinc	<14/<3.7	NT	20/18	20/20	<14/6.8	Monitor	
Cyanide	<6/16	<6/13	NT	<6/13	<6/14	40	
Cyanide Amenable	<6/2.2	/2.2	NT	NT	<6/2.2	Monitor	
1,1-Dichloroethane	16/12	4.8/4.8	NT	<0.32/<0.61	<0.32/<0.61	85	
1,2-Dichloroethane	<3.5/<1.1	<1.8/<0.54	NT	<0.35/<0.54	<0.35/<0.54	0.5	
1,1-Dichloroethene	12/6.3	<1.7/1	NT	<0.34/<0.47	<0.34/<0.47	0.7	
1,2-Dichloroethene Cis	32/29	9.3/11	NT	<0.27/<0.46	<0.27/<0.46	7	
1,2-Dichloroethene Trans	13/12	2.1/2.2	NT	<0.25/<0.64	<0.25/<0.64	20	
Ethylbenzene	<2.5/<1	<1.3/<0.5	NT	<0.25/<0.5	<0.25/<0.5	140	
Methylene Chloride	<3.9/<0.76	<1.5/<0.38	NT	<0.3/<0.38	<0.3/<0.38	0.5	
Tetrachloroethene	<3.1/3.2	<1.6/0.48	NT	<0.31/<0.41	<0.31/<0.41	0.5	
Toluene	<2.9/<0.8	<1.5/<0.4	NT	<0.29/<0.4	<0.29/<0.4	68	
1,1,1-Trichloroethane	100/86	16/20	NT	<0.31/<0.53	<0.31/<0.53	40	
1,1,2-Trichloroethane	<4.4/<0.94	<2.2/<0.47	NT	<0.44/<0.47	<0.44/<0.47	0.5	
TCE	330/320	74/91	NT	0.52/0.77	<0.34/<0.49	0.5	
Vinyl Chloride	<2/1	<1/<0.17	NT	<0.2/<0.17	<0.2/<0.17	0.2	
Xylene Total	<5.3/<2.5	<2.7/<1.2	NT	<0.53/<1.2	<0.53/<1.2	124	
Chlorine, Total	>200	NT	NT	NT	<40	38	*
COD	8.4/10	NT	NT	NT	<5.7/4.5	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1/<0.097	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.4/0.45	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.61/0.79	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.

Last Result is from the USACE QA Sampling Comparison on with En Chem, Inc.

Center numbers are Pilot Study results.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	3-11-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	7.3	N/A	N/A	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	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	7	NT	NT	NT	<6	Monitor	
Iron	1000	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	70	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	20	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	20	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	15	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	11	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	31	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	12	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	3	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	100	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	340	NT	0.8	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
Chlorine, Total	>200	NT	NT	NT	<40	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:	3-11-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	7.3	N/A	N/A	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	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	7	NT	NT	NT	<6	Monitor	
Iron	1000	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	70	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	20	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	20	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	15	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	11	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	31	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	12	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	3	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	100	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	340	NT	0.8	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
Chlorine, Total	>200	NT	NT	NT	<40	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:	3-18-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.8	7.4	N/A	N/A	7.8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	110	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	8	10	
Copper	8	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	100	Monitor	
Lead	<1.5	NT	NT	NT	1.6	1.5	
Manganese	170	NT	NT	NT	90	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	40	NT	NT	NT	20	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	30	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	8.7	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	2.5	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	28	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	7.1	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	3.8	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	115	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	388	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
Chlorine, Total	>200	NT	NT	NT	<40	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:	3-25-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.7/6.9	7.1	7.8	N/A	7.8/7.9	Monitor	
TSS	1	12	12	NT	NT	Monitor	mg/l
Arsenic	2.6	NT	NT	NT	<1.8	5	
Barium	100	NT	NT	NT	95	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	1000	NT	NT	NT	220	Monitor	
Lead	<1.2	NT	NT	NT	<1.2	1.5	
Manganese	120	NT	NT	NT	110	Monitor	
Mercury	<0.056	NT	NT	NT	<0.056	0.2	
Nickel	12/8.9	12	8.9	NT	14	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	13	NT	NT	NT	17	Monitor	
Cyanide	<7.7	<7.7	<7.7	NT	<7.7	40	
Cyanide Amenable	<7.7	NT	NT	NT	<7.7	Monitor	
1,1-Dichloroethane	12	7.1	<0.25	<0.25	<0.25	85	
1,2-Dichloroethane	<2.5	<0.5	<0.25	<0.25	<0.25	0.5	
1,1-Dichloroethene	<2.5	1.4	<0.25	<0.25	<0.25	0.7	
1,2-Dichloroethene Cis	27	16	<0.25	<0.25	<0.25	7	
1,2-Dichloroethene Trans	9.8	3.4	<0.25	<0.25	<0.25	20	
Ethylbenzene	<2.5	<0.5	<0.25	<0.25	<0.25	140	
Methylene Chloride	<2.5	<0.5	<0.25	<0.25	<0.25	0.5	
Tetrachloroethene	3	0.72	<0.25	<0.25	<0.25	0.5	
Toluene	<1	<0.2	<0.1	<0.1	<0.1	68	
1,1,1-Trichloroethane	71	28	<0.25	<0.25	<0.25	40	
1,1,2-Trichloroethane	<2.5	<0.5	<0.25	<0.25	<0.25	0.5	
TCE	280	130	0.29	0.66	0.59	0.5	
Vinyl Chloride	<2.5	<0.5	<0.25	<0.25	<0.25	0.2	
Xylene Total	<2.5	<0.5	<0.25	<0.25	<0.25	124	
Chlorine, Total	>200	NT	NT	NT	<40	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.

Testing performed by Test America, Inc.

FLOW FROM EXTRACTION WELLS

YEAR: 2002 MONTH: MARCH DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	8,305,864.00	23,541.00	0.024	
2	8,329,405.00	34,387.00	0.034	
3	8,363,792.00	35,663.00	0.036	
4	8,399,455.00	28,190.00	0.028	SHUT DOWN
5	8,427,645.00	37,870.00	0.038	
6	8,465,515.00	31,166.00	0.031	
7	8,496,681.00	32,526.00	0.033	
8	8,529,207.00	25,326.00	0.025	
9	8,554,533.00	31,867.00	0.032	
10	8,586,400.00	41,172.00	0.041	
11	8,627,572.00	28,189.00	0.028	
12	8,655,761.00	34,772.00	0.035	
13	8,690,533.00	27,294.00	0.027	
14	8,717,827.00	31,969.00	0.032	
15	8,749,796.00	23,062.00	0.023	
16	8,772,858.00	29,579.00	0.030	
17	8,802,437.00	36,764.00	0.037	
18	8,839,201.00	31,329.00	0.031	
19	8,870,530.00	25,423.00	0.025	
20	8,895,953.00	32,456.00	0.032	SHUT DOWN
21	8,928,409.00	36,915.00	0.037	
22	8,965,324.00	21,851.00	0.022	
23	8,987,175.00	34,019.00	0.034	
24	9,021,194.00	42,934.00	0.043	
25	9,064,128.00	29,554.00	0.030	
26	9,093,682.00	33,761.00	0.034	
27	9,127,443.00	31,773.00	0.032	
28	9,159,216.00	32,477.00	0.032	
29	9,191,693.00	23,990.00	0.024	
30	9,215,683.00	32,297.00	0.032	
31	9,247,980.00	39,664.00	0.040	
April 01	9,287,644.00			
		TOTAL	0.982	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2002

MONTH: MARCH DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	8,906,791.00	26,658.00	0.027	
2	8,933,449.00	39,389.00	0.039	
3	8,972,838.00	40,020.00	0.040	
4	9,012,858.00	30,724.00	0.031	SHUT DOWN
5	9,043,582.00	43,799.00	0.044	
6	9,087,381.00	37,701.00	0.038	
7	9,125,082.00	37,150.00	0.037	
8	9,162,232.00	29,956.00	0.030	
9	9,192,188.00	38,968.00	0.039	
10	9,231,157.00	47,072.00	0.047	
11	9,278,229.00	32,423.00	0.032	
12	9,310,652.00	40,457.00	0.040	
13	9,351,109.00	32,279.00	0.032	
14	9,383,388.00	37,589.00	0.038	
15	9,420,977.00	26,823.00	0.027	
16	9,447,800.00	29,701.00	0.030	
17	9,477,501.00	47,923.00	0.048	
18	9,525,424.00	34,989.00	0.035	
19	9,560,413.00	32,832.00	0.033	
20	9,593,245.00	37,282.10	0.037	
21	9,630,527.10	43,288.90	0.043	
22	9,673,816.00	25,766.00	0.026	
23	9,699,582.00	41,474.00	0.041	
24	9,741,056.00	52,558.00	0.053	
25	9,793,614.00	35,350.00	0.035	
26	9,828,964.00	41,533.00	0.042	
27	9,870,497.00	39,454.00	0.039	
28	9,909,951.00	38,911.00	0.039	
29	9,948,862.00	26,923.00	0.027	
30	9,975,785.00	36,560.13	0.037	
31	10,012,345.13	45,273.51	0.045	
April 01	10,057,618.64			
		TOTAL	1.151	
		AVERAGE	0.037	

FLOW FROM EXTRACTION WELLS

YEAR: 2002 MONTH: MARCH DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,744,886.50	22,764.90	0.023	
2	2,767,651.40	35,298.20	0.035	
3	2,802,949.60	35,983.80	0.036	
4	2,838,933.40	28,294.40	0.028	SHUT DOWN
5	2,867,227.80	38,308.60	0.038	
6	2,905,536.40	32,027.70	0.032	
7	2,937,564.10	32,543.00	0.033	
8	2,970,107.10	23,635.50	0.024	
9	2,993,742.60	33,798.90	0.034	
10	3,027,541.50	41,585.80	0.042	
11	3,069,127.30	28,216.70	0.028	
12	3,097,344.00	34,478.10	0.034	
13	3,131,822.10	27,467.90	0.027	
14	3,159,290.00	32,025.20	0.032	
15	3,191,315.20	21,869.00	0.022	
16	3,213,184.20	31,201.30	0.031	
17	3,244,385.50	36,830.60	0.037	
18	3,281,216.10	31,080.00	0.031	
19	3,312,296.10	25,681.00	0.026	
20	3,337,977.10	36,205.00	0.036	SHUT DOWN
21	3,374,182.10	33,207.00	0.033	
22	3,407,389.10	22,125.10	0.022	
23	3,429,514.20	34,464.70	0.034	
24	3,463,978.90	42,761.20	0.043	
25	3,506,740.10	28,866.00	0.029	
26	3,535,606.10	34,489.00	0.034	
27	3,570,095.10	33,104.00	0.033	
28	3,603,199.10	31,510.00	0.032	
29	3,634,709.10	24,239.60	0.024	
30	3,658,948.70	32,386.50	0.032	
31	3,691,335.20	39,771.90	0.040	
April 01	3,731,107.10			
		TOTAL	0.965	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2002				
MONTH: MARCH DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	9,194,387.30	25,756.70	0.026	
2	9,220,144.00	40,487.10	0.040	
3	9,260,631.10	42,238.20	0.042	
4	9,302,869.30	30,821.00	0.031	SHUT DOWN
5	9,333,690.30	43,817.20	0.044	
6	9,377,507.50	37,836.70	0.038	
7	9,415,344.20	37,650.90	0.038	
8	9,452,995.10	27,675.80	0.028	
9	9,480,670.90	41,281.50	0.041	
10	9,521,952.40	47,309.60	0.047	
11	9,569,261.00	32,482.00	0.032	
12	9,601,743.00	40,342.10	0.040	
13	9,642,085.10	32,372.90	0.032	
14	9,674,458.00	38,009.20	0.038	
15	9,712,467.20	25,219.60	0.025	
16	9,737,686.80	31,471.20	0.031	
17	9,769,158.00	48,108.10	0.048	
18	9,817,266.10	34,879.00	0.035	
19	9,852,145.10	33,133.00	0.033	
20	9,885,278.10	41,322.00	0.041	
21	9,926,600.10	39,297.00	0.039	
22	9,965,897.10	26,066.00	0.026	
23	9,991,963.10	42,004.50	0.042	
24	10,033,967.60	52,286.50	0.052	
25	10,086,264.10	34,539.00	0.035	
26	10,120,803.10	42,337.00	0.042	
27	10,163,140.10	40,886.00	0.041	
28	10,204,026.10	37,567.00	0.038	
29	10,241,593.10	27,205.70	0.027	
30	10,268,798.80	36,750.00	0.037	
31	10,305,548.80	45,394.30	0.045	
April 01	10,350,943.10			
		TOTAL	1.154	
		AVERAGE	0.037	

EFFLUENT FLOW FROM PLANT

YEAR: 2002 MONTH: MARCH DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	1,076,123.00	24,708.00	0.025	
2	1,100,831.00	35,932.00	0.036	
3	1,136,763.00	30,200.00	0.030	
4	1,166,963.00	7,610.00	0.008	*SHUT DOWN
5	1,174,573.00	32,214.00	0.032	
6	1,206,787.00	33,029.00	0.033	
7	1,239,816.00	33,029.00	0.033	
8	1,272,845.00	25,869.00	0.026	
9	1,298,714.00	36,560.00	0.037	
10	1,335,274.00	38,293.00	0.038	
11	1,373,567.00	28,175.00	0.028	
12	1,401,742.00	35,719.00	0.036	
13	1,437,461.00	27,636.00	0.028	
14	1,465,097.00	36,201.00	0.036	
15	1,501,298.00	24,000.00	0.024	
16	1,525,298.00	25,636.00	0.026	
17	1,550,934.00	39,947.00	0.040	
18	1,590,881.00	30,040.00	0.030	
19	1,620,921.00	25,002.00	0.025	
20	1,645,923.00	34,957.00	0.035	
21	1,680,880.00	35,132.00	0.035	
22	1,716,012.00	24,462.00	0.024	
23	1,740,474.00	36,018.00	0.036	
24	1,776,492.00	43,450.00	0.043	
25	1,819,942.00	33,142.00	0.033	
26	1,853,084.00	29,931.00	0.030	
27	1,883,015.00	37,255.00	0.037	
28	1,920,270.00	32,706.00	0.033	
29	1,952,976.00	26,486.00	0.026	
30	1,979,462.00	33,380.00	0.033	
31	2,012,842.00	37,958.00	0.038	
April 01	2,050,800.00			
			0.974	
			0.031	

* MAY HAVE BEEN FROZEN DURING THE EF-951 INCIDENT?

PRECIPITATION

YEAR: 2002	
MONTH: March DAY	RAINFALL (INCHES)
1	0.00
2	0.00
3	0.40
4	0.00
5	0.10
6	0.00
7	0.00
8	0.00
9	0.90
10	0.25
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	0.00
18	0.00
19	0.00
20	0.00
21	0.20
22	0.00
23	0.00
24	0.00
25	0.20
26	0.00
27	0.00
28	0.25
29	0.00
30	0.00
31	0.00
TOTAL	2.30

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	AFTER METALS PACKAGE 2/26/02-3/6/02	AFTER METALS PACKAGE 3/6/02-3/14/02
1	LIGHT YELLOW	LIGHT YELLOW
2	LIGHT YELLOW	LIGHT YELLOW
3	YELLOW	DARK YELLOW
4	DARK YELLOW	DARK YELLOW WITH BUBBLES
5	BROWNISH YELLOW	YELLOW WITH BROWN BUBBLES
6	GREEN WITH BROWN BUBBLES	YELLOW WITH BROWN BUBBLES
7	GREEN WITH BROWN BUBBLES	BROWN WITH BROWN BUBBLES
8	BLACK	BROWN WITH BROWN BUBBLES

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	AFTER METALS PACKAGE 3/14/02-3/23/02	AFTER METALS PACKAGE 3/29/02-4/6/02
1	LIGHT YELLOW	LIGHT YELLOW
2	LIGHT YELLOW	LIGHT YELLOW
3	LIGHT YELLOW	LIGHT YELLOW W/BUBBLES
4	LIGHT YELLOW	LIGHT YELLOW W/BUBBLES
5	LIGHT YELLOW	LIGHT BROWN W/BUBBLES
6	LIGHT YELLOW	BROWN W/BUBBLES
7	LIGHT YELLOW	BROWN W/BUBBLES
8	LIGHT YELLOW	BROWN W/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	4.82	DRY	COVERED
March 28, 2002	5.90	DRY	3.45	3.95	DRY	COVERED

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEV	FEET		
DATE	MW07P	MW08P	MW09SP			
January 04, 2002	DRY	4.21	6.32			
February 6-7, 2002	DRY	4.54	6.81			
March 28, 2002	3.9	2.09	5.49			

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL	FEET		
DATE	MW12SP	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

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

EXTRACTION WELLS					Date:	(ug/l) March 2002
Parameter	EW-1	EW-2	EW-3	EW-4	EW-5	WW-1
pH	7.1	7	6.9	7	6.9	7.3
Arsenic	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
Barium	80	180	110	160	160	320
Cadmium	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Cadmium Total Recoverable	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium +6	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
Chromium Total	10	40	10	8	20	<8
Copper	20	<6	<6	6	10	10
Iron	1100	47,000	5,400	4,900	4,700	130
Lead	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Manganese	280	80	100	310	100	<6
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	30	10	10	100	10	<11
Selenium	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Silver	5	<4	<4	<4	<4	<4
Thallium	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Zinc	<14	<14	<14	<14	<14	20
Cyanide	<6	<6	<6	<6	<6	<6
Cyanide Amenable	<6	<6	<6	<6	<6	<6
1,1-Dichloroethane	<0.32	<0.32	<0.32	28	42	<0.32
1,2-Dichloroethane	<0.35	<0.35	<0.35	<7	<7	<0.35
1,1-Dichloroethene	<0.34	2.1	<0.34	35	8.8	<0.34
1,2-Dichloroethene Cis	0.63	12	<0.27	74	65	<0.27
1,2-Dichloroethene Tran	<0.25	4.4	<0.25	51	5.8	<0.25
Ethylbenzene	<0.25	<0.25	<0.25	<5	<5	<0.25
Methylene Chloride	<0.3	<0.3	<0.3	<6	<6	<0.3
Tetrachloroethene	<0.31	<0.31	<0.31	15	<6.2	<0.31
Toluene	<0.29	<0.29	<0.29	<5.8	<5.8	<0.29
1,1,1-Trichloroethane	<0.31	<0.31	<0.31	300	130	<0.31
1,1,2-Trichloroethane	<0.44	<0.44	<0.44	<8.8	<8.8	<0.44
TCE	4.6	16	<0.34	890	540	<0.34
Vinyl Chloride	<0.2	<0.2	<0.2	<4	<4	<0.2
Xylene Total	<0.53	<0.53	<0.53	<11	<11	<0.53

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	3-6-02	
Parameter	Influent V-104	After TFT-601 V-502	Before DAS V-622	Before GAC's	Effluent V-740	WDNR Site Permit ug/l	
pH	7.1/7.2	7.6	7.6	8	7.6/7.7	Monitor	
TSS	<0.5/5	2/11	NT	<0.5/10	8/5	Monitor	mg/l
Arsenic	<5.6/1.8	NT	<5.6/1.7	<5.6/2	<5.6/0.83	5	
Barium	100/100	NT	100/120	110/120	90/100	400	
Cadmium	<0.4/0.17	NT	<0.4/<0.17	<0.4/<0.17	<0.4/<0.17	0.5	
Cadmium Total Recoverable	<0.4/<0.17	NT	<0.4/<0.17	<0.4/<0.17	<0.4/<0.17	Monitor	
Chromium +6	<4.2/<12	NT	NT	NT	<4.2/<12	Monitor	
Chromium Total	<8/0.66	NT	<8/1.4	<8/1.5	<8/0.77	10	
Copper	<6/<2.2	NT	<6/2.3	<6/2.3	<6/<2.2	Monitor	
Iron	1100/1200	NT	1300/1500	1700/1900	<81/170	Monitor	
Lead	<1.5/<0.24	NT	<1.5/<0.24	<1.5/<0.24	<1.5/<0.24	1.5	
Manganese	120/120	NT	140/150	140/150	150/160	Monitor	
Mercury	<0.2/<0.14	NT	<0.2/<0.14	<0.2/<0.14	<0.2/<0.14	0.2	
Nickel	20/30/18/28	20/18	20/19	20/20/18/18	20/14	20	
Selenium	<4.8/1.9	NT	<4.8/1.6	<4.8/1.2	<4.8/1.3	10	
Silver	<4/<0.14	NT	<4/<0.14	<4/<0.14	<4/<0.14	10	
Thallium	<1.3/<0.096	NT	<1.3/<0.096	<1.3/<0.096	<1.3/<0.096	0.4	
Zinc	<14/<3.7	NT	20/18	20/20	<14/6.8	Monitor	
Cyanide	<6/16	<6/13	NT	<6/13	<6/14	40	
Cyanide Amenable	<6/2.2	/2.2	NT	NT	<6/2.2	Monitor	
1,1-Dichloroethane	16/12	4.8/4.8	NT	<0.32/<0.61	<0.32/<0.61	85	
1,2-Dichloroethane	<3.5/<1.1	<1.8/<0.54	NT	<0.35/<0.54	<0.35/<0.54	0.5	
1,1-Dichloroethene	12/6.3	<1.7/1	NT	<0.34/<0.47	<0.34/<0.47	0.7	
1,2-Dichloroethene Cis	32/29	9.3/11	NT	<0.27/<0.46	<0.27/<0.46	7	
1,2-Dichloroethene Trans	13/12	2.1/2.2	NT	<0.25/<0.64	<0.25/<0.64	20	
Ethylbenzene	<2.5/<1	<1.3/<0.5	NT	<0.25/<0.5	<0.25/<0.5	140	
Methylene Chloride	<3.9/<0.76	<1.5/<0.38	NT	<0.3/<0.38	<0.3/<0.38	0.5	
Tetrachloroethene	<3.1/3.2	<1.6/0.48	NT	<0.31/<0.41	<0.31/<0.41	0.5	
Toluene	<2.9/<0.8	<1.5/<0.4	NT	<0.29/<0.4	<0.29/<0.4	68	
1,1,1-Trichloroethane	100/86	16/20	NT	<0.31/<0.53	<0.31/<0.53	40	
1,1,2-Trichloroethane	<4.4/<0.94	<2.2/<0.47	NT	<0.44/<0.47	<0.44/<0.47	0.5	
TCE	330/320	74/91	NT	0.52/0.77	<0.34/<0.49	0.5	
Vinyl Chloride	<2/1	<1/<0.17	NT	<0.2/<0.17	<0.2/<0.17	0.2	
Xylene Total	<5.3/<2.5	<2.7/<1.2	NT	<0.53/<1.2	<0.53/<1.2	124	
COD	8.4/10	NT	NT	NT	<5.7/4.5	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1/<0.097	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.4/0.45	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.61/0.79	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:	3-11-02	
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	6.9	7.3	N/A	N/A	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	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	7	NT	NT	NT	<8	Monitor	
Iron	1000	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	70	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	20	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	20	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	15	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	11	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	31	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	12	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	3	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	100	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	340	NT	0.8	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	3-18-02	
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	6.8	7.4	N/A	N/A	7.8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	110	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	8	10	
Copper	8	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	100	Monitor	
Lead	<1.5	NT	NT	NT	1.6	1.5	
Manganese	170	NT	NT	NT	90	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	40	NT	NT	NT	20	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	30	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	8.7	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	2.5	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	28	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	7.1	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	3.8	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	115	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	388	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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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:	3-25-02	
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	6.7/6.9	7.1	7.8	N/A	7.8/7.9	Monitor	
TSS	1	12	12	NT	NT	Monitor	mg/l
Arsenic	2.6	NT	NT	NT	<1.8	5	
Barium	100	NT	NT	NT	95	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	1000	NT	NT	NT	220	Monitor	
Lead	<1.2	NT	NT	NT	<1.2	1.5	
Manganese	120	NT	NT	NT	110	Monitor	
Mercury	<0.056	NT	NT	NT	<0.056	0.2	
Nickel	12/8.9	12	8.9	NT	14	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	13	NT	NT	NT	17	Monitor	
Cyanide	<7.7	<7.7	<7.7	NT	<7.7	40	
Cyanide Amenable	<7.7	NT	NT	NT	<7.7	Monitor	
1,1-Dichloroethane	12	7.1	<0.25	<0.25	<0.25	85	
1,2-Dichloroethane	<2.5	<0.5	<0.25	<0.25	<0.25	0.5	
1,1-Dichloroethene	<2.5	1.4	<0.25	<0.25	<0.25	0.7	
1,2-Dichloroethene Cis	27	16	<0.25	<0.25	<0.25	7	
1,2-Dichloroethene Trans	9.8	3.4	<0.25	<0.25	<0.25	20	
Ethylbenzene	<2.5	<0.5	<0.25	<0.25	<0.25	140	
Methylene Chloride	<2.5	<0.5	<0.25	<0.25	<0.25	0.5	
Tetrachloroethene	3	0.72	<0.25	<0.25	<0.25	0.5	
Toluene	<1	<0.2	<0.1	<0.1	<0.1	68	
1,1,1-Trichloroethane	71	28	<0.25	<0.25	<0.25	40	
1,1,2-Trichloroethane	<2.5	<0.5	<0.25	<0.25	<0.25	0.5	
TCE	280	130	0.29	0.66	0.59	0.5	
Vinyl Chloride	<2.5	<0.5	<0.25	<0.25	<0.25	0.2	
Xylene Total	<2.5	<0.5	<0.25	<0.25	<0.25	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

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ug/l = Micrograms per Liter.
mg/l = Milligrams per Liter.

Testing performed by Test America, Inc.

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

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

WDNR# 241340550

BATCH NUMBER: **20020154**
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

Sample Number: 27736
Client ID: 020301EW01P

QC Prep Batch Number: 1000037

Collection: 3/1/2002 Time: 06:45
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/8/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/8/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	0.63	ug/l	0.27	0.86	1	J	8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/8/2002 / 3/8/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020154**
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

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	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	4.6	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	3/8/2002 / 3/8/2002

Sample Number: 27737
Client ID: 020301EW02P

QC Prep Batch Number: 1000037

Collection: 3/1/2002 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	2.1	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020154
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

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	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/8/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/8/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	12	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	0.46	ug/l	0.39	1.2	1	J	8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	4.4	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020154**
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

Dr. James Chang
APL Environmental
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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	445134030	3/8/2002 / 3/8/2002
Trichloroethene	16	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/8/2002 / 3/8/2002

Sample Number: 27738 QC Prep Batch Number: 1000037 Collection: 3/1/2002 Time: 07:15
Client ID: 020301EW03P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/8/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/8/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/8/2002 / 3/8/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020154**
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

Dr. James Chang
APL Environmental
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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	445134030	3/8/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/8/2002 / 3/8/2002

Sample Number: 27739 QC Prep Batch Number: 1000053 Collection: 3/1/2002 Time: 07:05
Client ID: 020301EW04P Sample Description:

1,1,1,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	20		8260	JZ	3/9/2002 / 3/9/2002
1,1,1-Trichloroethane	300	ug/l	6.2	20	20		8260	JZ	3/9/2002 / 3/9/2002
1,1,2,2-Tetrachloroethane	< 8.8	ug/l	8.8	28	20		8260	JZ	3/9/2002 / 3/9/2002
1,1,2-Trichloroethane	< 8.8	ug/l	8.8	28	20		8260	JZ	3/9/2002 / 3/9/2002
1,1-Dichloroethane	28	ug/l	6.4	20	20		8260	JZ	3/9/2002 / 3/9/2002
1,1-Dichloroethene	35	ug/l	6.8	22	20		8260	JZ	3/9/2002 / 3/9/2002
1,1-Dichloropropene	< 8.6	ug/l	8.6	27	20		8260	JZ	3/9/2002 / 3/9/2002
1,2,3-Trichlorobenzene	< 10	ug/l	10	32	20		8260	JZ	3/9/2002 / 3/9/2002
1,2,3-Trichloropropane	< 10	ug/l	10	32	20		8260	JZ	3/9/2002 / 3/9/2002
1,2,4-Trichlorobenzene	< 9.4	ug/l	9.4	30	20		8260	JZ	3/9/2002 / 3/9/2002
1,2,4-Trimethylbenzene	< 6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020154**
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

Dr. James Chang
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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	<9.2	ug/l	9.2	29	20		8260	JZ	3/9/2002 / 3/9/2002
1,2-Dichlorobenzene	<6.8	ug/l	6.8	22	20		8260	JZ	3/9/2002 / 3/9/2002
1,2-Dichloroethane	<7.0	ug/l	7.0	22	20		8260	JZ	3/9/2002 / 3/9/2002
1,2-Dichloropropane	<6.4	ug/l	6.4	20	20		8260	JZ	3/9/2002 / 3/9/2002
1,3,5-Trimethylbenzene	<6.8	ug/l	6.8	22	20		8260	JZ	3/9/2002 / 3/9/2002
1,3-Dichlorobenzene	<5.2	ug/l	5.2	17	20		8260	JZ	3/9/2002 / 3/9/2002
1,3-Dichloropropane	<7.8	ug/l	7.8	25	20		8260	JZ	3/9/2002 / 3/9/2002
1,4-Dichlorobenzene	<7.2	ug/l	7.2	23	20		8260	JZ	3/9/2002 / 3/9/2002
12Dibromo-3-chloropropan	<6.6	ug/l	6.6	21	20		8260	JZ	3/9/2002 / 3/9/2002
2,2-Dichloropropane	<5.4	ug/l	5.4	17	20		8260	JZ	3/9/2002 / 3/9/2002
2-Butanone (MEK)	<28	ug/l	28	88	20		8260	JZ	3/9/2002 / 3/9/2002
2-Chloroethyl Vinyl Ether	<14	ug/l	14	45	20		8260	JZ	3/9/2002 / 3/9/2002
2-Chlorotoluene	<6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002
4-Chlorotoluene	<5.2	ug/l	5.2	17	20		8260	JZ	3/9/2002 / 3/9/2002
4-Methyl-2-Pentanone	<16	ug/l	16	51	20		8260	JZ	3/9/2002 / 3/9/2002
Acetone	<31	ug/l	31	99	20		8260	JZ	3/9/2002 / 3/9/2002
Benzene	17	ug/l	5.4	17	20	J	8260	JZ	3/9/2002 / 3/9/2002
Bromobenzene	<6.2	ug/l	6.2	20	20		8260	JZ	3/9/2002 / 3/9/2002
Bromochloromethane	<7.4	ug/l	7.4	24	20		8260	JZ	3/9/2002 / 3/9/2002
Bromodichloromethane	<7.6	ug/l	7.6	24	20		8260	JZ	3/9/2002 / 3/9/2002
Bromoform	<7.8	ug/l	7.8	25	20		8260	JZ	3/9/2002 / 3/9/2002
Bromomethane	<13	ug/l	13	41	20		8260	JZ	3/9/2002 / 3/9/2002
Carbon tetrachloride	<5.4	ug/l	5.4	17	20		8260	JZ	3/9/2002 / 3/9/2002
Chlorobenzene	<5.2	ug/l	5.2	17	20		8260	JZ	3/9/2002 / 3/9/2002
Chloroethane	<13	ug/l	13	41	20		8260	JZ	3/9/2002 / 3/9/2002
Chloroform	<4.8	ug/l	4.8	15	20		8260	JZ	3/9/2002 / 3/9/2002
Chloromethane	<9.8	ug/l	9.8	31	20		8260	JZ	3/9/2002 / 3/9/2002
cis-1,2-Dichloroethene	74	ug/l	5.4	17	20		8260	JZ	3/9/2002 / 3/9/2002
cis-1,3-Dichloropropene	<7.4	ug/l	7.4	24	20		8260	JZ	3/9/2002 / 3/9/2002
Dibromochloromethane	<8.2	ug/l	8.2	26	20		8260	JZ	3/9/2002 / 3/9/2002
Dibromomethane	<9.2	ug/l	9.2	29	20		8260	JZ	3/9/2002 / 3/9/2002
Dichlorodifluoromethane	<5.4	ug/l	5.4	17	20		8260	JZ	3/9/2002 / 3/9/2002
Ethylbenzene	<5.0	ug/l	5.0	16	20		8260	JZ	3/9/2002 / 3/9/2002
Hexachlorobutadiene	<8.4	ug/l	8.4	27	20		8260	JZ	3/9/2002 / 3/9/2002
Isopropyl Ether	<6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002
Isopropylbenzene	<6.6	ug/l	6.6	21	20		8260	JZ	3/9/2002 / 3/9/2002
m&p-xylene	<11	ug/l	11	34	20		8260	JZ	3/9/2002 / 3/9/2002
Methyl-t-butyl ether	<7.8	ug/l	7.8	25	20		8260	JZ	3/9/2002 / 3/9/2002
Methylene chloride	<6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002
n-Butylbenzene	<7.2	ug/l	7.2	23	20		8260	JZ	3/9/2002 / 3/9/2002
n-Propylbenzene	<5.6	ug/l	5.6	18	20		8260	JZ	3/9/2002 / 3/9/2002
Naphthalene	<15	ug/l	15	48	20		8260	JZ	3/9/2002 / 3/9/2002
o-xylene	<5.0	ug/l	5.0	16	20		8260	JZ	3/9/2002 / 3/9/2002
p-Isopropyltoluene	<6.2	ug/l	6.2	20	20		8260	JZ	3/9/2002 / 3/9/2002
sec-Butylbenzene	<6.8	ug/l	6.8	22	20		8260	JZ	3/9/2002 / 3/9/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020154**
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

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	< 5.0	ug/l	5.0	16	20		8260	JZ	3/9/2002 / 3/9/2002
tert-Butylbenzene	< 6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002
Tetrachloroethene	15	ug/l	6.2	20	20	J	8260	JZ	3/9/2002 / 3/9/2002
Toluene	< 5.8	ug/l	5.8	18	20		8260	JZ	3/9/2002 / 3/9/2002
trans-1,2-Dichloroethene	51	ug/l	5.0	16	20		8260	JZ	3/9/2002 / 3/9/2002
trans-1,3-Dichloropropene	< 5.2	ug/l	5.2	17	20		8260	JZ	3/9/2002 / 3/9/2002
Trichloroethene	890	ug/l	6.8	22	20		8260	JZ	3/9/2002 / 3/9/2002
Trichlorofluoromethane	< 4.8	ug/l	4.8	15	20		8260	JZ	3/9/2002 / 3/9/2002
Vinyl chloride	< 4.0	ug/l	4.0	13	20		8260	JZ	3/9/2002 / 3/9/2002

Sample Number: 27740 QC Prep Batch Number: 1000053 Collection: 3/1/2002 Time: 06:35
Client ID: 020301EW05P Sample Description:

1,1,1,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	20		8260	JZ	3/9/2002 / 3/9/2002
1,1,1-Trichloroethane	130	ug/l	6.2	20	20		8260	JZ	3/9/2002 / 3/9/2002
1,1,2,2-Tetrachloroethane	< 8.8	ug/l	8.8	28	20		8260	JZ	3/9/2002 / 3/9/2002
1,1,2-Trichloroethane	< 8.8	ug/l	8.8	28	20		8260	JZ	3/9/2002 / 3/9/2002
1,1-Dichloroethane	42	ug/l	6.4	20	20		8260	JZ	3/9/2002 / 3/9/2002
1,1-Dichloroethene	8.8	ug/l	6.8	22	20	J	8260	JZ	3/9/2002 / 3/9/2002
1,1-Dichloropropene	< 8.6	ug/l	8.6	27	20		8260	JZ	3/9/2002 / 3/9/2002
1,2,3-Trichlorobenzene	< 10	ug/l	10	32	20		8260	JZ	3/9/2002 / 3/9/2002
1,2,3-Trichloropropane	< 10	ug/l	10	32	20		8260	JZ	3/9/2002 / 3/9/2002
1,2,4-Trichlorobenzene	< 9.4	ug/l	9.4	30	20		8260	JZ	3/9/2002 / 3/9/2002
1,2,4-Trimethylbenzene	< 6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002
1,2-Dibromoethane	< 9.2	ug/l	9.2	29	20		8260	JZ	3/9/2002 / 3/9/2002
1,2-Dichlorobenzene	< 6.8	ug/l	6.8	22	20		8260	JZ	3/9/2002 / 3/9/2002
1,2-Dichloroethane	< 7.0	ug/l	7.0	22	20		8260	JZ	3/9/2002 / 3/9/2002
1,2-Dichloropropane	< 6.4	ug/l	6.4	20	20		8260	JZ	3/9/2002 / 3/9/2002
1,3,5-Trimethylbenzene	< 6.8	ug/l	6.8	22	20		8260	JZ	3/9/2002 / 3/9/2002
1,3-Dichlorobenzene	< 5.2	ug/l	5.2	17	20		8260	JZ	3/9/2002 / 3/9/2002
1,3-Dichloropropane	< 7.8	ug/l	7.8	25	20		8260	JZ	3/9/2002 / 3/9/2002
1,4-Dichlorobenzene	< 7.2	ug/l	7.2	23	20		8260	JZ	3/9/2002 / 3/9/2002
12Dibromo-3-chloropropan	< 6.6	ug/l	6.6	21	20		8260	JZ	3/9/2002 / 3/9/2002
2,2-Dichloropropane	< 5.4	ug/l	5.4	17	20		8260	JZ	3/9/2002 / 3/9/2002
2-Butanone (MEK)	< 28	ug/l	28	88	20		8260	JZ	3/9/2002 / 3/9/2002
2-Chloroethyl Vinyl Ether	< 14	ug/l	14	45	20		8260	JZ	3/9/2002 / 3/9/2002
2-Chlorotoluene	< 6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002
4-Chlorotoluene	< 5.2	ug/l	5.2	17	20		8260	JZ	3/9/2002 / 3/9/2002
4-Methyl-2-Pentanone	< 16	ug/l	16	51	20		8260	JZ	3/9/2002 / 3/9/2002
Acetone	< 31	ug/l	31	99	20		8260	JZ	3/9/2002 / 3/9/2002
Benzene	< 5.4	ug/l	5.4	17	20		8260	JZ	3/9/2002 / 3/9/2002
Bromobenzene	< 6.2	ug/l	6.2	20	20		8260	JZ	3/9/2002 / 3/9/2002
Bromochloromethane	< 7.4	ug/l	7.4	24	20		8260	JZ	3/9/2002 / 3/9/2002
Bromodichloromethane	< 7.6	ug/l	7.6	24	20		8260	JZ	3/9/2002 / 3/9/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020154**
DATE REPORTED:	13-Mar-02
DATE RECEIVED:	04-Mar-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	EW's-Round #1

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	< 7.8	ug/l	7.8	25	20		8260	JZ	3/9/2002 / 3/9/2002
Bromomethane	< 13	ug/l	13	41	20		8260	JZ	3/9/2002 / 3/9/2002
Carbon tetrachloride	< 5.4	ug/l	5.4	17	20		8260	JZ	3/9/2002 / 3/9/2002
Chlorobenzene	< 5.2	ug/l	5.2	17	20		8260	JZ	3/9/2002 / 3/9/2002
Chloroethane	< 13	ug/l	13	41	20		8260	JZ	3/9/2002 / 3/9/2002
Chloroform	< 4.8	ug/l	4.8	15	20		8260	JZ	3/9/2002 / 3/9/2002
Chloromethane	< 9.8	ug/l	9.8	31	20		8260	JZ	3/9/2002 / 3/9/2002
cis-1,2-Dichloroethene	65	ug/l	5.4	17	20		8260	JZ	3/9/2002 / 3/9/2002
cis-1,3-Dichloropropene	< 7.4	ug/l	7.4	24	20		8260	JZ	3/9/2002 / 3/9/2002
Dibromochloromethane	< 8.2	ug/l	8.2	26	20		8260	JZ	3/9/2002 / 3/9/2002
Dibromomethane	< 9.2	ug/l	9.2	29	20		8260	JZ	3/9/2002 / 3/9/2002
Dichlorodifluoromethane	< 5.4	ug/l	5.4	17	20		8260	JZ	3/9/2002 / 3/9/2002
Ethylbenzene	< 5.0	ug/l	5.0	16	20		8260	JZ	3/9/2002 / 3/9/2002
Hexachlorobutadiene	< 8.4	ug/l	8.4	27	20		8260	JZ	3/9/2002 / 3/9/2002
Isopropyl Ether	< 6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002
Isopropylbenzene	< 6.6	ug/l	6.6	21	20		8260	JZ	3/9/2002 / 3/9/2002
m&p-xylene	< 11	ug/l	11	34	20		8260	JZ	3/9/2002 / 3/9/2002
Methyl-t-butyl ether	< 7.8	ug/l	7.8	25	20		8260	JZ	3/9/2002 / 3/9/2002
Methylene chloride	< 6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002
n-Butylbenzene	< 7.2	ug/l	7.2	23	20		8260	JZ	3/9/2002 / 3/9/2002
n-Propylbenzene	< 5.6	ug/l	5.6	18	20		8260	JZ	3/9/2002 / 3/9/2002
Naphthalene	< 15	ug/l	15	48	20		8260	JZ	3/9/2002 / 3/9/2002
o-xylene	< 5.0	ug/l	5.0	16	20		8260	JZ	3/9/2002 / 3/9/2002
p-Isopropyltoluene	< 6.2	ug/l	6.2	20	20		8260	JZ	3/9/2002 / 3/9/2002
sec-Butylbenzene	< 6.8	ug/l	6.8	22	20		8260	JZ	3/9/2002 / 3/9/2002
Styrene	< 5.0	ug/l	5.0	16	20		8260	JZ	3/9/2002 / 3/9/2002
tert-Butylbenzene	< 6.0	ug/l	6.0	19	20		8260	JZ	3/9/2002 / 3/9/2002
Tetrachloroethene	< 6.2	ug/l	6.2	20	20		8260	JZ	3/9/2002 / 3/9/2002
Toluene	< 5.8	ug/l	5.8	18	20		8260	JZ	3/9/2002 / 3/9/2002
trans-1,2-Dichloroethene	5.8	ug/l	5.0	16	20	J	8260	JZ	3/9/2002 / 3/9/2002
trans-1,3-Dichloropropene	< 5.2	ug/l	5.2	17	20		8260	JZ	3/9/2002 / 3/9/2002
Trichloroethene	540	ug/l	6.8	22	20		8260	JZ	3/9/2002 / 3/9/2002
Trichlorofluoromethane	< 4.8	ug/l	4.8	15	20		8260	JZ	3/9/2002 / 3/9/2002
Vinyl chloride	< 4.0	ug/l	4.0	13	20		8260	JZ	3/9/2002 / 3/9/2002

Sample Number: 27741
Client ID: 020301WW01P

QC Prep Batch Number: 1000037

Collection: 3/1/2002 Time: 06:20
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020154**
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

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	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/8/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/8/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020154**
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

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	445134030	3/8/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/8/2002 / 3/8/2002

Sample Number: 27742
Client ID: blank

QC Prep Batch Number: 1000037

Collection: 3/1/2002 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/8/2002 / 3/8/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020154**
DATE REPORTED: 13-Mar-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

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	445134030	3/8/2002 / 3/8/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	0.39	ug/l	0.30	0.95	1	J	8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	3/8/2002 / 3/8/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020154**
DATE REPORTED:	13-Mar-02
DATE RECEIVED:	04-Mar-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	EW's-Round #1

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

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

Approved By: _____ **Date:** 3/13/02
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 **20020154**
DATE REPORTED: 09-Apr-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

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

Sample Number: 27736 Matrix: GW
Client ID: **020301EW01P**
Collection: 3/1/2002 Time: 06:45
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	**0.08**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/6/2002	*999968*	
Cadmium - Furnace AA	**0.12**	**ug/l**	*J*	0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.008	0.03	200.7	ez	3/6/2002	*999968*	
Copper- ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	3/6/2002	*999968*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**0.28**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	
Nickel - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	3/6/2002	*999968*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**0.005**	**mg/l**	*J* **RJ**	0.004	0.01	200.7	ez	3/6/2002	*999968*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	3/6/2002	*999968*	
Chromium, Hexavalent	**<0.0042**	**mg/kg**	**RJ**	0.12	0.38	SM 3500D	ta	3/1/2002	*1000076*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	mk	3/14/2002	*1000073*	
Cyanide, Total	**<0.006**	**mg/kg**		0.05	0.16	9010	mk	3/15/2002	*1000070*	
pH (Water)	**7.1**	**s.u.**	#			9040	mk	3/18/2002	*999964*	

Sample Number: 27737 Matrix: GW
Client ID: **020301EW02P**
Collection: 3/1/2002 Time:
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	**0.18**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/6/2002	*999968*	
Cadmium - Furnace AA	**0.23**	**ug/l**	*J*	0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**0.04**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	3/6/2002	*999968*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Iron - ICAP	**47**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	3/6/2002	*999968*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**0.09**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	
Nickel - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	3/6/2002	*999968*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020154
DATE REPORTED: 09-Apr-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	3/6/2002	*999968*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	3/6/2002	*999968*	
Chromium, Hexavalent	**<0.0042**	**mg/kg**	**RJ**	0.12	0.38	SM 3500D	ta	3/1/2002	*1000076*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	mk	3/14/2002	*1000073*	
Cyanide, Total	**<0.006**	**mg/kg**		0.05	0.16	9010	mk	3/15/2002	*1000070*	
pH (Water)	**7**	**s.u.**	#			9040	mk	3/18/2002	*999964*	

Sample Number: 27738 Matrix: GW
Client ID: **020301EW03P**
Collection: 3/1/2002 Time: 07:15
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/6/2002	*999968*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J* RJ**	0.008	0.03	200.7	ez	3/6/2002	*999968*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Iron - ICAP	**5.4**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	3/6/2002	*999968*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**0.1**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	
Nickel - ICAP	**0.01**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	3/6/2002	*999968*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	3/6/2002	*999968*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	3/6/2002	*999968*	
Chromium, Hexavalent	**<0.0042**	**mg/kg**	**RJ**	0.12	0.38	SM 3500D	ta	3/1/2002	*1000076*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	mk	3/14/2002	*1000073*	
Cyanide, Total	**<0.006**	**mg/kg**		0.05	0.16	9010	mk	3/15/2002	*1000070*	
pH (Water)	**6.9**	**s.u.**	#			9040	mk	3/18/2002	*999964*	

Sample Number: 27739 Matrix: GW
Client ID: **020301EW04P**
Collection: 3/1/2002 Time: 07:05
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	**0.16**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/6/2002	*999968*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020154**
DATE REPORTED: 09-Apr-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

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	**0.17**	**ug/l**	*J*	0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**0.008**	**mg/l**	*J* RJ	0.008	0.03	200.7	ez	3/6/2002	*999968*	
Copper- ICAP	**0.006**	**mg/l**	*J* RJ	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Iron - ICAP	**4.9**	**mg/l**	RJ	0.081	0.26	200.7	ez	3/6/2002	*999968*	
Lead - Furnace AA	**<1.5**	**ug/l**	RJ	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**0.31**	**mg/l**	RJ	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Mercury CV	**<0.0002**	**mg/l**	RJ	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	
Nickel - ICAP	**0.1**	**mg/l**	RJ	0.011	0.03	200.7	ez	3/6/2002	*999968*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**<0.004**	**mg/l**	RJ	0.004	0.01	200.7	ez	3/6/2002	*999968*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**<0.014**	**mg/l**	RJ	0.014	0.04	200.7	ez	3/6/2002	*999968*	
Chromium, Hexavalent	**<0.0042**	**mg/kg**	RJ	0.12	0.38	SM 3500D	ta	3/1/2002	*1000076*	
Cyanide, Amenable	**<0.006**	**mg/l**	RJ	0.006	0.02	335.2	mk	3/14/2002	*1000073*	
Cyanide, Total	**<0.006**	**mg/kg**		0.05	0.16	9010	mk	3/15/2002	*1000070*	
pH (Water)	**7**	**s.u.**	#			9040	mk	3/18/2002	*999964*	

Sample Number: 27740 Matrix: GW

Client ID: **020301EW05P** Collection: 3/1/2002 Time: 06:35

Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	RJ	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	**0.16**	**mg/l**	RJ	0.007	0.02	200.7	ez	3/6/2002	*999968*	
Cadmium - Furnace AA	**0.09**	**ug/l**	*J*	0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**0.02**	**mg/l**	*J* RJ	0.008	0.03	200.7	ez	3/6/2002	*999968*	
Copper- ICAP	**0.01**	**mg/l**	*J* RJ	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Iron - ICAP	**4.7**	**mg/l**	RJ	0.081	0.26	200.7	ez	3/6/2002	*999968*	
Lead - Furnace AA	**<1.5**	**ug/l**	RJ	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**0.1**	**mg/l**	RJ	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Mercury CV	**<0.0002**	**mg/l**	RJ	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	
Nickel - ICAP	**0.01**	**mg/l**	*J* RJ	0.011	0.03	200.7	ez	3/6/2002	*999968*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**<0.004**	**mg/l**	RJ	0.004	0.01	200.7	ez	3/6/2002	*999968*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**<0.014**	**mg/l**	RJ	0.014	0.04	200.7	ez	3/6/2002	*999968*	
Chromium, Hexavalent	**<0.0042**	**mg/kg**	RJ	0.12	0.38	SM 3500D	ta	3/1/2002	*1000076*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20020154**
DATE REPORTED: 09-Apr-02
DATE RECEIVED: 04-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: EW's-Round #1

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	mk	3/14/2002	*1000073*	
Cyanide, Total	**<0.006**	**mg/kg**		0.05	0.16	9010	mk	3/15/2002	*1000070*	
pH (Water)	**6.9**	**s.u.**	#			9040	mk	3/18/2002	*999964*	

Sample Number: 27741 Matrix: GW
Client ID: **020301WW01P**
Collection: 3/1/2002 Time: 06:20
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	**0.32**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/6/2002	*999968*	
Cadmium - Furnace AA	**0.06**	**ug/l**	*J*	0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	3/6/2002	*999968*	
Copper- ICAP	**0.01**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Iron - ICAP	**0.13**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	ez	3/6/2002	*999968*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/6/2002	*999968*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	3/6/2002	*999968*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	3/6/2002	*999968*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	ez	3/6/2002	*999968*	
Chromium, Hexavalent	**<0.0042**	**mg/kg**	**RJ**	0.12	0.38	SM 3500D	ta	3/1/2002	*1000076*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	mk	3/14/2002	*1000073*	
Cyanide, Total	**<0.006**	**mg/kg**		0.05	0.16	9010	mk	3/15/2002	*1000070*	
pH (Water)	**7.3**	**s.u.**	#			9040	mk	3/18/2002	*999964*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20020154**
DATE REPORTED:	09-Apr-02
DATE RECEIVED:	04-Mar-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	EW's-Round #1

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

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

Approved By: _____ **Date:** 4/9/02
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: **20020180**
DATE REPORTED: 27-Mar-02
DATE RECEIVED: 18-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #9
PROJECT NAME: PILOT TEST

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

Sample Number: 27850
Client ID: 020318
QC Prep Batch Number: 1000230
Collection: 3/18/2002 Time: 10:50
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	3/25/2002 / 3/25/2002
1,1,1-Trichloroethane	115	ug/l	1.6	4.9	5		8260	qh	3/25/2002 / 3/25/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	3/25/2002 / 3/25/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethane	8.7	ug/l	1.6	5.1	5		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethene	2.5	ug/l	1.7	5.4	5	J	8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	3/25/2002 / 3/25/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	3/25/2002 / 3/25/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	3/25/2002 / 3/25/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	3/25/2002 / 3/25/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	3/25/2002 / 3/25/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	3/25/2002 / 3/25/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	3/25/2002 / 3/25/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	3/25/2002 / 3/25/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	3/25/2002 / 3/25/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	3/25/2002 / 3/25/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	3/25/2002 / 3/25/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	3/25/2002 / 3/25/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	3/25/2002 / 3/25/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	3/25/2002 / 3/25/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	3/25/2002 / 3/25/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	3/25/2002 / 3/25/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	3/25/2002 / 3/25/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	3/25/2002 / 3/25/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	3/25/2002 / 3/25/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	3/25/2002 / 3/25/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	3/25/2002 / 3/25/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	3/25/2002 / 3/25/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	3/25/2002 / 3/25/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	3/25/2002 / 3/25/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	3/25/2002 / 3/25/2002
cis-1,2-Dichloroethene	28	ug/l	1.4	4.3	5		8260	qh	3/25/2002 / 3/25/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	3/25/2002 / 3/25/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	3/25/2002 / 3/25/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020180**
DATE REPORTED: 27-Mar-02
DATE RECEIVED: 18-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #9
PROJECT NAME: PILOT TEST

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	3/25/2002 / 3/25/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	3/25/2002 / 3/25/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	3/25/2002 / 3/25/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	3/25/2002 / 3/25/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	3/25/2002 / 3/25/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	3/25/2002 / 3/25/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	3/25/2002 / 3/25/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	3/25/2002 / 3/25/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	3/25/2002 / 3/25/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	3/25/2002 / 3/25/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	3/25/2002 / 3/25/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	3/25/2002 / 3/25/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	3/25/2002 / 3/25/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	3/25/2002 / 3/25/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	3/25/2002 / 3/25/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	3/25/2002 / 3/25/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	3/25/2002 / 3/25/2002
Tetrachloroethene	3.8	ug/l	1.6	4.9	5	J	8260	qh	3/25/2002 / 3/25/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	3/25/2002 / 3/25/2002
trans-1,2-Dichloroethene	7.1	ug/l	1.3	4.0	5		8260	qh	3/25/2002 / 3/25/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	3/25/2002 / 3/25/2002
Trichloroethene	388	ug/l	1.7	5.4	5		8260	qh	3/25/2002 / 3/25/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	3/25/2002 / 3/25/2002
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	3/25/2002 / 3/25/2002

Sample Number: 27852
Client ID: 020318

QC Prep Batch Number: 1000230

Collection: 3/18/2002 Time: 10:39
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	3/25/2002 / 3/25/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	3/25/2002 / 3/25/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020180**
DATE REPORTED:	27-Mar-02
DATE RECEIVED:	18-Mar-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK #9
PROJECT NAME:	PILOT TEST

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	3/25/2002 / 3/25/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	3/25/2002 / 3/25/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	3/25/2002 / 3/25/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	3/25/2002 / 3/25/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	3/25/2002 / 3/25/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	3/25/2002 / 3/25/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	3/25/2002 / 3/25/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	3/25/2002 / 3/25/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	3/25/2002 / 3/25/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	3/25/2002 / 3/25/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	3/25/2002 / 3/25/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	3/25/2002 / 3/25/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	3/25/2002 / 3/25/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	3/25/2002 / 3/25/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	3/25/2002 / 3/25/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	3/25/2002 / 3/25/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	3/25/2002 / 3/25/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	3/25/2002 / 3/25/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	3/25/2002 / 3/25/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	3/25/2002 / 3/25/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020180**
DATE REPORTED: 27-Mar-02
DATE RECEIVED: 18-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #9
PROJECT NAME: PILOT TEST

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	3/25/2002 / 3/25/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	3/25/2002 / 3/25/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	3/25/2002 / 3/25/2002

Sample Number: 27853 QC Prep Batch Number: 1000230 Collection: 3/18/2002 Time: 10:42
Client ID: 020318 Sample Description: WA08P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	3/25/2002 / 3/25/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	3/25/2002 / 3/25/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	3/25/2002 / 3/25/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	3/25/2002 / 3/25/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	3/25/2002 / 3/25/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	3/25/2002 / 3/25/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	3/25/2002 / 3/25/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	3/25/2002 / 3/25/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	3/25/2002 / 3/25/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	3/25/2002 / 3/25/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020180**
DATE REPORTED: 27-Mar-02
DATE RECEIVED: 18-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #9
PROJECT NAME: PILOT TEST

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	3/25/2002 / 3/25/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	3/25/2002 / 3/25/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	3/25/2002 / 3/25/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	3/25/2002 / 3/25/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	3/25/2002 / 3/25/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	3/25/2002 / 3/25/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	3/25/2002 / 3/25/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	3/25/2002 / 3/25/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	3/25/2002 / 3/25/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	3/25/2002 / 3/25/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	3/25/2002 / 3/25/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	3/25/2002 / 3/25/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	3/25/2002 / 3/25/2002

Sample Number: 27854
Client ID: TRIP BLANK

QC Prep Batch Number: 1000230

Collection: 3/18/2002 Time: 10:35
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	3/25/2002 / 3/25/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020180**
DATE REPORTED: 27-Mar-02
DATE RECEIVED: 18-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #9
PROJECT NAME: PILOT TEST

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	3/25/2002 / 3/25/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	3/25/2002 / 3/25/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	3/25/2002 / 3/25/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	3/25/2002 / 3/25/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	3/25/2002 / 3/25/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	3/25/2002 / 3/25/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	3/25/2002 / 3/25/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	3/25/2002 / 3/25/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	3/25/2002 / 3/25/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	3/25/2002 / 3/25/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	3/25/2002 / 3/25/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	3/25/2002 / 3/25/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	3/25/2002 / 3/25/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	3/25/2002 / 3/25/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	3/25/2002 / 3/25/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	3/25/2002 / 3/25/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	3/25/2002 / 3/25/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	3/25/2002 / 3/25/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	3/25/2002 / 3/25/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	3/25/2002 / 3/25/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020180**
DATE REPORTED: 27-Mar-02
DATE RECEIVED: 18-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #9
PROJECT NAME: PILOT TEST

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	3/25/2002 / 3/25/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	3/25/2002 / 3/25/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	3/25/2002 / 3/25/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	3/25/2002 / 3/25/2002

Sample Number: 27855 QC Prep Batch Number: 1000230 Collection: 3/18/2002 Time: 10:45
Client ID: 020318 Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	3/25/2002 / 3/25/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	3/25/2002 / 3/25/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	3/25/2002 / 3/25/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	3/25/2002 / 3/25/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	3/25/2002 / 3/25/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	3/25/2002 / 3/25/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	3/25/2002 / 3/25/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	3/25/2002 / 3/25/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	3/25/2002 / 3/25/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	3/25/2002 / 3/25/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	3/25/2002 / 3/25/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020180**
DATE REPORTED: 27-Mar-02
DATE RECEIVED: 18-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #9
PROJECT NAME: PILOT TEST

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	3/25/2002 / 3/25/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	3/25/2002 / 3/25/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	3/25/2002 / 3/25/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	3/25/2002 / 3/25/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	3/25/2002 / 3/25/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	3/25/2002 / 3/25/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	3/25/2002 / 3/25/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	3/25/2002 / 3/25/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	3/25/2002 / 3/25/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	3/25/2002 / 3/25/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	3/25/2002 / 3/25/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	3/25/2002 / 3/25/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	3/25/2002 / 3/25/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	3/25/2002 / 3/25/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	3/25/2002 / 3/25/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	3/25/2002 / 3/25/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	3/25/2002 / 3/25/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	3/25/2002 / 3/25/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	3/25/2002 / 3/25/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	3/25/2002 / 3/25/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	3/25/2002 / 3/25/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	3/25/2002 / 3/25/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	3/25/2002 / 3/25/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020180**
DATE REPORTED:	27-Mar-02
DATE RECEIVED:	18-Mar-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK #9
PROJECT NAME:	PILOT TEST

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

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

Approved By: _____ **Date:** 3/27/02
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 20020180
DATE REPORTED: 15-Apr-02
DATE RECEIVED: 18-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #9
PROJECT NAME: PILOT TEST

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

Sample Number: 27849 Matrix: GW
Client ID: **020318**
Collection: 3/18/2002 Time: 10:55
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	4/4/2002	*1000298*
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/29/2002	*1000256*
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/1/2002	*1000281*
Chromium, Total - ICAP	**0.008**	**mg/l**	***J* RJ**	0.008	0.03	200.7	ez	3/29/2002	*1000256*
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/29/2002	*1000256*
Iron - ICAP	**0.1**	**mg/l**	***J* RJ**	0.081	0.26	200.7	ez	3/29/2002	*1000256*
Lead - Furnace AA	**1.6**	**ug/l**	***J* RJ**	1.5	4.8	239.2	bb	4/1/2002	*1000280*
Manganese - ICAP	**0.09**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/29/2002	*1000256*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	ez	3/25/2002	*1000172*
Nickel - ICAP	**0.02**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	3/29/2002	*1000256*
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	3/29/2002	*1000256*
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*
Zinc - ICAP	**0.03**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	3/29/2002	*1000256*

Sample Number: 27850 Matrix: GW
Client ID: **020318**
Collection: 3/18/2002 Time: 10:50
Sample Description: WA01P

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	4/4/2002	*1000298*
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/29/2002	*1000256*
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	4/1/2002	*1000281*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	3/29/2002	*1000256*
Copper- ICAP	**0.008**	**mg/l**	***J* RJ**	0.006	0.02	200.7	ez	3/29/2002	*1000256*
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	3/29/2002	*1000256*
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	4/1/2002	*1000280*
Manganese - ICAP	**0.17**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/29/2002	*1000256*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	ez	3/25/2002	*1000172*
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	3/29/2002	*1000256*
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	3/29/2002	*1000256*
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	3/29/2002	*1000256*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020180
DATE REPORTED: 15-Apr-02
DATE RECEIVED: 18-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #9
PROJECT NAME: PILOT TEST

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500	JTS	3/19/2002	*1000248*	
Cyanide, Amenable	**<0.006**	**mg/l**	**LBS**	0.006	0.02	335.2	bb	4/1/2002	*1000260*	
Cyanide, Total	**<0.006**	**mg/l**	**LBS**	0.006	0.02	335.2	bb	4/1/2002	*1000259*	
pH (water)	**6.8**	**s.u.**	**#**			150.1	mk	3/21/2002	*1000144*	
Sample Number: 27851		Matrix: GW						Collection: 3/18/2002		Time: 10:37
Client ID: **020318**								Sample Description: WA05P		
pH (water)	**7.4**	**s.u.**	**#**			150.1	mk	3/21/2002	*1000144*	
Sample Number: 27855		Matrix: GW						Collection: 3/18/2002		Time 10:45
Client ID: **020318**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500	JST	3/19/2002	*1000248*	
Cyanide, Amenable	**<0.006**	**mg/l**	**LBS**	0.006	0.02	335.2	bb	4/1/2002	*1000260*	
Cyanide, Total	**<0.006**	**mg/l**	**LBS**	0.006	0.02	335.2	bb	4/1/2002	*1000259*	
pH (water)	**7.8**	**s.u.**	**#**			150.1	mk	3/21/2002	*1000144*	
Sample Number: 27856		Matrix: GW						Collection: 3/18/2002		Time: 10:35
Client ID: **020318**								Sample Description: WA09Q		
pH (water)	**7.4**	**s.u.**	**#**			150.1	mk	3/21/2002	*1000144*	

Approved By: _____ **Date:** 4/15/02
James Chang, Ph.D., Lab Director

LBS *Low blank spike recovery; results may be biased low.*
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:	**20020166**
DATE REPORTED:	21-Mar-02
DATE RECEIVED:	11-Mar-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK #8
PROJECT NAME:	PILOT TEST

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

Sample Number: 27788
Client ID: 020311

QC Prep Batch Number: 1000148

Collection: 3/11/2002 Time: 09:55
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	445134030	3/16/2002 / 3/16/2002
1,1,1-Trichloroethane	100	ug/l	1.6	4.9	5		8260	445134030	3/16/2002 / 3/16/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	445134030	3/16/2002 / 3/16/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethane	15	ug/l	1.6	5.1	5		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethene	11	ug/l	1.7	5.4	5		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	445134030	3/16/2002 / 3/16/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	445134030	3/16/2002 / 3/16/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	445134030	3/16/2002 / 3/16/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	445134030	3/16/2002 / 3/16/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	445134030	3/16/2002 / 3/16/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	445134030	3/16/2002 / 3/16/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	445134030	3/16/2002 / 3/16/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	445134030	3/16/2002 / 3/16/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	445134030	3/16/2002 / 3/16/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	445134030	3/16/2002 / 3/16/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	445134030	3/16/2002 / 3/16/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	445134030	3/16/2002 / 3/16/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	445134030	3/16/2002 / 3/16/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	445134030	3/16/2002 / 3/16/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	445134030	3/16/2002 / 3/16/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	445134030	3/16/2002 / 3/16/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	445134030	3/16/2002 / 3/16/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	445134030	3/16/2002 / 3/16/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	445134030	3/16/2002 / 3/16/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	445134030	3/16/2002 / 3/16/2002
Chlorobenzene	1.3	ug/l	1.3	4.1	5		8260	445134030	3/16/2002 / 3/16/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	445134030	3/16/2002 / 3/16/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	445134030	3/16/2002 / 3/16/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	445134030	3/16/2002 / 3/16/2002
cis-1,2-Dichloroethene	31	ug/l	1.4	4.3	5		8260	445134030	3/16/2002 / 3/16/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	445134030	3/16/2002 / 3/16/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	445134030	3/16/2002 / 3/16/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020166**
DATE REPORTED: 21-Mar-02
DATE RECEIVED: 11-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #8
PROJECT NAME: PILOT TEST

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	445134030	3/16/2002 / 3/16/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	445134030	3/16/2002 / 3/16/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	445134030	3/16/2002 / 3/16/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	445134030	3/16/2002 / 3/16/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	445134030	3/16/2002 / 3/16/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	445134030	3/16/2002 / 3/16/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	445134030	3/16/2002 / 3/16/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	445134030	3/16/2002 / 3/16/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	445134030	3/16/2002 / 3/16/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	445134030	3/16/2002 / 3/16/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	445134030	3/16/2002 / 3/16/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	445134030	3/16/2002 / 3/16/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	445134030	3/16/2002 / 3/16/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	445134030	3/16/2002 / 3/16/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	445134030	3/16/2002 / 3/16/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	445134030	3/16/2002 / 3/16/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	445134030	3/16/2002 / 3/16/2002
Tetrachloroethene	3.0	ug/l	1.6	4.9	5	J	8260	445134030	3/16/2002 / 3/16/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	445134030	3/16/2002 / 3/16/2002
trans-1,2-Dichloroethene	12	ug/l	1.3	4.0	5		8260	445134030	3/16/2002 / 3/16/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	445134030	3/16/2002 / 3/16/2002
Trichloroethene	340	ug/l	1.7	5.4	5		8260	445134030	3/16/2002 / 3/16/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	445134030	3/16/2002 / 3/16/2002
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	445134030	3/16/2002 / 3/16/2002

Sample Number: 27790
Client ID: 020311

QC Prep Batch Number: 1000148

Collection: 3/11/2002 Time: 10:02
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020166**
DATE REPORTED: 21-Mar-02
DATE RECEIVED: 11-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #8
PROJECT NAME: PILOT TEST

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	445134030	3/16/2002 / 3/16/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/16/2002 / 3/16/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/16/2002 / 3/16/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/16/2002 / 3/16/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/16/2002 / 3/16/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/16/2002 / 3/16/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/16/2002 / 3/16/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/16/2002 / 3/16/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/16/2002 / 3/16/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/16/2002 / 3/16/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/16/2002 / 3/16/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/16/2002 / 3/16/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/16/2002 / 3/16/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/16/2002 / 3/16/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020166**
DATE REPORTED: 21-Mar-02
DATE RECEIVED: 11-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #8
PROJECT NAME: PILOT TEST

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	445134030	3/16/2002 / 3/16/2002
Trichloroethene	0.80	ug/l	0.34	1.1	1	J	8260	445134030	3/16/2002 / 3/16/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	3/16/2002 / 3/16/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	3/16/2002 / 3/16/2002

Sample Number: 27791
Client ID: 020311
QC Prep Batch Number: 1000148
Collection: 3/11/2002 Time: 10:04
Sample Description: WA08P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	3/16/2002 / 3/16/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	3/16/2002 / 3/16/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	3/16/2002 / 3/16/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	3/16/2002 / 3/16/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	3/16/2002 / 3/16/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	3/16/2002 / 3/16/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020166**
DATE REPORTED: 21-Mar-02
DATE RECEIVED: 11-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #8
PROJECT NAME: PILOT TEST

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	445134030	3/16/2002 / 3/16/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/16/2002 / 3/16/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/16/2002 / 3/16/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/16/2002 / 3/16/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/16/2002 / 3/16/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/16/2002 / 3/16/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/16/2002 / 3/16/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/16/2002 / 3/16/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/16/2002 / 3/16/2002

Sample Number: 27792
Client ID: 020311

QC Prep Batch Number: 1000148

Collection: 3/11/2002 Time: 09:52
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020166**
DATE REPORTED: 21-Mar-02
DATE RECEIVED: 11-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #8
PROJECT NAME: PILOT TEST

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	445134030	3/16/2002 / 3/16/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	3/16/2002 / 3/16/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	3/16/2002 / 3/16/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	3/16/2002 / 3/16/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	3/16/2002 / 3/16/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	3/16/2002 / 3/16/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	3/16/2002 / 3/16/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	3/16/2002 / 3/16/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	3/16/2002 / 3/16/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	3/16/2002 / 3/16/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	445134030	3/16/2002 / 3/16/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	445134030	3/16/2002 / 3/16/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	3/16/2002 / 3/16/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002

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

WDNR# 241340550

BATCH NUMBER: **20020166**
DATE REPORTED: 21-Mar-02
DATE RECEIVED: 11-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #8
PROJECT NAME: PILOT TEST

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	445134030	3/16/2002 / 3/16/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/16/2002 / 3/16/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/16/2002 / 3/16/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/16/2002 / 3/16/2002

Sample Number: 27794 QC Prep Batch Number: 1000148 Collection: 3/11/2002 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/16/2002 / 3/16/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/16/2002 / 3/16/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/16/2002 / 3/16/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/16/2002 / 3/16/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/16/2002 / 3/16/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020166**
DATE REPORTED: 21-Mar-02
DATE RECEIVED: 11-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #8
PROJECT NAME: PILOT TEST

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	445134030	3/16/2002 / 3/16/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/16/2002 / 3/16/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/16/2002 / 3/16/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/16/2002 / 3/16/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/16/2002 / 3/16/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/16/2002 / 3/16/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/16/2002 / 3/16/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/16/2002 / 3/16/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/16/2002 / 3/16/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/16/2002 / 3/16/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/16/2002 / 3/16/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/16/2002 / 3/16/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/16/2002 / 3/16/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/16/2002 / 3/16/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/16/2002 / 3/16/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/16/2002 / 3/16/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/16/2002 / 3/16/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/16/2002 / 3/16/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/16/2002 / 3/16/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/16/2002 / 3/16/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/16/2002 / 3/16/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/16/2002 / 3/16/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020166**
DATE REPORTED:	21-Mar-02
DATE RECEIVED:	11-Mar-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK #8
PROJECT NAME:	PILOT TEST

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

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

Approved By: _____ **Date:** 3/21/02
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 **20020166**
DATE REPORTED: 15-Apr-02
DATE RECEIVED: 11-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #8
PROJECT NAME: PILOT TEST

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: 27787	Matrix: GW						Collection: 3/11/2002	Time: 09:58		
Client ID: **020311**							Sample Description: 020311WA09R			
Arsenic - Furnace AA	**<5.6**	**ug/l**		5.6	18	206.2	lu	3/16/2002	*1000124*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/20/2002	*1000127*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J* RJ**	0.008	0.03	200.7	ez	3/20/2002	*1000127*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/20/2002	*1000127*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	3/20/2002	*1000127*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**0.07**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/20/2002	*1000127*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	ez	3/25/2002	*1000172*	
Nickel - ICAP	**0.02**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	3/20/2002	*1000127*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	3/20/2002	*1000127*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	3/20/2002	*1000127*	
Sample Number: 27788	Matrix: GW						Collection: 3/11/2002	Time: 09:55		
Client ID: **020311**							Sample Description: 020311WA01P			
Arsenic - Furnace AA	**<5.6**	**ug/l**		5.6	18	206.2	lu	3/16/2002	*1000124*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/20/2002	*1000127*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	3/20/2002	*1000127*	
Copper- ICAP	**0.007**	**mg/l**	***J* RJ**	0.006	0.02	200.7	ez	3/20/2002	*1000127*	
Iron - ICAP	**1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	3/20/2002	*1000127*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**0.15**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/20/2002	*1000127*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	ez	3/25/2002	*1000172*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	3/20/2002	*1000127*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	3/20/2002	*1000127*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	3/20/2002	*1000127*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20020166**
DATE REPORTED:	15-Apr-02
DATE RECEIVED:	11-Mar-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK #8
PROJECT NAME:	PILOT TEST

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	3/15/2002	*1000076*	
Cyanide, Amenable	**<0.006**	**mg/l**	**LBS**	0.006	0.02	335.2	bb	4/1/2002	*1000260*	
Cyanide, Total	**<0.006**	**mg/l**	**LBS**	0.006	0.02	335.2	bb	4/1/2002	*1000259*	
pH (water)	**6.9**	**s.u.**	**# Rj**			150.1	lu	3/11/2002	*1000035*	
Sample Number: 27789		Matrix: GW						Collection: 3/11/2002		Time: 10:00
Client ID: **020311**								Sample Description: WA05P		
pH (water)	**7.4**	**s.u.**	**# Rj**			150.1	lu	3/11/2002	*1000035*	
Sample Number: 27792		Matrix: GW						Collection: 3/11/2002		Time: 09:52
Client ID: **020311**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	3/15/2002	*1000076*	
Cyanide, Amenable	**<0.006**	**mg/l**	**LBS**	0.006	0.02	335.2	bb	4/1/2002	*1000260*	
Cyanide, Total	**<0.006**	**mg/l**	**LBS**	0.006	0.02	335.2	bb	4/1/2002	*1000259*	
pH (water)	**7.8**	**s.u.**	**# Rj**			150.1	lu	3/11/2002	*1000035*	
Sample Number: 27793		Matrix: GW						Collection: 3/11/2002		Time: 09:50
Client ID: **020311**								Sample Description: WA04Q		
pH (water)	**7.3**	**s.u.**	**# Rj**			150.1	lu	3/11/2002	*1000035*	

Approved By: _____ **Date:** 4/15/02
James Chang, Ph.D. , Lab Director

LBS *Low blank spike recovery; results may be biased low.*
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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EN CHEM INC.

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

- Analytical Report -

Project Name : OGTP

Project Number :

Client : US ARMY CORPS OF ENGINEERS

Report Date : 3/20/02

WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
920638-001	0203 06 WA01PC	3/6/02			
920638-002	0203 06 WA01QC	3/6/02			
920638-003	0203 06 WA04PC	3/6/02			
920638-004	0203 06 WA04QC	3/6/02			
920638-005	0203 06 WA05PC	3/6/02			
920638-006	0203 06 WA07PC	3/6/02			
920638-007	0203 06 WA07QC	3/6/02			
920638-008	0203 06 WA09PC	3/6/02			
920638-009	0203 06 WA09RC	3/6/02			
920638-010	TRIP BLANK-C				

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

Tod Noltemeyer — Approval Signature

3/20/02 — Date

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0203 06 WA01PC
Lab Sample Number : 920638-001
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	1.8	0.29	0.92		ug/L		3/13/02	SW846 3020A	SW846 6020
Barium	100	0.16	0.51		ug/L		3/13/02	SW846 3020A	SW846 6020
Cadmium	0.17	0.17	0.54		ug/L	Q	3/13/02	SW846 3020A	SW846 6020
Cadmium - Recoverable	< 0.17	0.17	0.54		ug/L		3/12/02	SW846 3020A	SW846 6020
Chromium	0.66	0.22	0.70		ug/L	Q*	3/13/02	SW846 3020A	SW846 6020
Copper	< 2.2	2.2	7.0		ug/L	*	3/13/02	SW846 3020A	SW846 6020
Iron	1200	35	110		ug/L		3/13/02	SW846 3020A	SW846 6020
Lead	< 0.24	0.24	0.76		ug/L		3/13/02	SW846 3020A	SW846 6020
Manganese	120	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Mercury	< 0.14	0.14	0.45		ug/L		3/12/02	SW846 3005A	SW846 6020
Nickel	13	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Selenium	1.9	0.71	2.3		ug/L	Q*	3/13/02	SW846 3020A	SW846 6020
Silver	< 0.14	0.14	0.45		ug/L	*	3/18/02	SW846 3005A	SW846 6020
Thallium	< 0.096	0.096	0.31		ug/L	*	3/13/02	SW846 3020A	SW846 6020
Chromium, Hexavalent	< 12	12	38		ug/L		3/6/02	SW846 7196	SW846 7196
COD	10	2.9	9.2		mg/L		3/12/02	EPA 410.4	EPA 410.4
Cyanide, free	< 0.0022	0.0022	0.0070		mg/L		3/14/02	SM 4500	SM 4500
Cyanide, total	0.016	0.0021	0.0067		mg/L		3/12/02	EPA 335.4	EPA 335.4

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0203 06 WA01QC
Lab Sample Number : 920638-002
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Nickel	28	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Solids, total suspended	5.0	3.4	11		mg/L	Q	3/7/02	EPA 160.2	EPA 160.2

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0203 06 WA04PC
Lab Sample Number : 920638-003
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Cyanide, free	< 0.0022	0.0022	0.0070		mg/L		3/14/02	SM 4500	SM 4500
Cyanide, total	0.013	0.0021	0.0067		mg/L		3/12/02	EPA 335.4	EPA 335.4

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0203 06 WA04QC
Lab Sample Number : 920638-004
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Nickel	18	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Cyanide, total	0.013	0.0021	0.0067		mg/L		3/12/02	EPA 335.4	EPA 335.4
Solids, total suspended	11	3.4	11		mg/L		3/7/02	EPA 160.2	EPA 160.2

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0203 06 WA05PC
Lab Sample Number : 920638-005
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	1.7	0.29	0.92		ug/L		3/13/02	SW846 3020A	SW846 6020
Barium	120	0.16	0.51		ug/L		3/13/02	SW846 3020A	SW846 6020
Cadmium	< 0.17	0.17	0.54		ug/L		3/13/02	SW846 3020A	SW846 6020
Cadmium - Recoverable	< 0.17	0.17	0.54		ug/L		3/12/02	SW846 3020A	SW846 6020
Chromium	1.4	0.22	0.70		ug/L	*	3/13/02	SW846 3020A	SW846 6020
Copper	2.3	2.2	7.0		ug/L	Q*	3/13/02	SW846 3020A	SW846 6020
Iron	1500	35	110		ug/L		3/13/02	SW846 3020A	SW846 6020
Lead	< 0.24	0.24	0.76		ug/L		3/13/02	SW846 3020A	SW846 6020
Manganese	150	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Mercury	< 0.14	0.14	0.45		ug/L		3/12/02	SW846 3005A	SW846 6020
Nickel	19	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Selenium	1.6	0.71	2.3		ug/L	Q*	3/13/02	SW846 3020A	SW846 6020
Silver	< 0.14	0.14	0.45		ug/L		3/18/02	SW846 3005A	SW846 6020
Thallium	< 0.096	0.096	0.31		ug/L	*	3/13/02	SW846 3020A	SW846 6020

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0203 06 WA07PC
Lab Sample Number : 920638-006
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	2.0	0.29	0.92		ug/L		3/13/02	SW846 3020A	SW846 6020
Barium	120	0.16	0.51		ug/L		3/13/02	SW846 3020A	SW846 6020
Cadmium	< 0.17	0.17	0.54		ug/L		3/13/02	SW846 3020A	SW846 6020
Cadmium - Recoverable	< 0.17	0.17	0.54		ug/L		3/12/02	SW846 3020A	SW846 6020
Chromium	1.5	0.22	0.70		ug/L	*	3/13/02	SW846 3020A	SW846 6020
Copper	2.3	2.2	7.0		ug/L	Q*	3/13/02	SW846 3020A	SW846 6020
Iron	1900	35	110		ug/L		3/13/02	SW846 3020A	SW846 6020
Lead	< 0.24	0.24	0.76		ug/L		3/13/02	SW846 3020A	SW846 6020
Manganese	150	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Mercury	< 0.14	0.14	0.45		ug/L		3/12/02	SW846 3005A	SW846 6020
Nickel	18	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Selenium	1.2	0.71	2.3		ug/L	Q*	3/13/02	SW846 3020A	SW846 6020
Silver	< 0.14	0.14	0.45		ug/L		3/18/02	SW846 3005A	SW846 6020
Thallium	< 0.096	0.096	0.31		ug/L	*	3/13/02	SW846 3020A	SW846 6020

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0203 06 WA07QC
Lab Sample Number : 920638-007
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Nickel	18	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Cyanide, total	0.013	0.0021	0.0067		mg/L		3/12/02	EPA 335.4	EPA 335.4
Solids, total suspended	10	3.4	11		mg/L	Q	3/7/02	EPA 160.2	EPA 160.2

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0203 06 WA09PC
Lab Sample Number : 920638-008
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Chromium, Hexavalent	< 12	12	38		ug/L		3/6/02	SW846 7196	SW846 7196
Cyanide, free	< 0.0022	0.0022	0.0070		mg/L		3/14/02	SM 4500	SM 4500
Cyanide, total	0.014	0.0021	0.0067		mg/L		3/12/02	EPA 335.4	EPA 335.4

- Analytical Report -

Project Name : OGTP
Project Number :
Station ID : 0203 06 WA09RC
Lab Sample Number : 920638-009
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	0.83	0.29	0.92		ug/L	Q	3/13/02	SW846 3020A	SW846 6020
Barium	100	0.16	0.51		ug/L		3/13/02	SW846 3020A	SW846 6020
Cadmium	< 0.17	0.17	0.54		ug/L		3/13/02	SW846 3020A	SW846 6020
Cadmium - Recoverable	< 0.17	0.17	0.54		ug/L		3/12/02	SW846 3020A	SW846 6020
Chromium	0.77	0.22	0.70		ug/L	*	3/13/02	SW846 3020A	SW846 6020
Copper	< 2.2	2.2	7.0		ug/L	*	3/13/02	SW846 3020A	SW846 6020
Iron	170	35	110		ug/L		3/13/02	SW846 3020A	SW846 6020
Lead	< 0.24	0.24	0.76		ug/L		3/13/02	SW846 3020A	SW846 6020
Manganese	160	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Mercury	< 0.14	0.14	0.45		ug/L		3/12/02	SW846 3005A	SW846 6020
Nickel	14	0.27	0.86		ug/L		3/13/02	SW846 3020A	SW846 6020
Selenium	1.3	0.71	2.3		ug/L	Q*	3/13/02	SW846 3020A	SW846 6020
Silver	< 0.14	0.14	0.45		ug/L		3/18/02	SW846 3005A	SW846 6020
Thallium	< 0.096	0.096	0.31		ug/L	*	3/13/02	SW846 3020A	SW846 6020
COD	4.5	2.9	9.2		mg/L	Q	3/12/02	EPA 410.4	EPA 410.4
Nitrogen, ammonia	0.79	0.060	0.19		mg/L		3/13/02	EPA 350.1	EPA 350.1
Nitrogen, NO3 + NO2	0.45	0.014	0.045		mg/L		3/15/02	EPA 353.2	EPA 353.2
Phosphorus, total	< 0.097	0.097	0.31		mg/L		3/14/02	EPA 365.4	EPA 365.1
Solids, total suspended	5.0	3.4	11		mg/L	Q	3/7/02	EPA 160.2	EPA 160.2

En Chem, Inc.

Inorganic Data Qualifiers

A	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	The analyte has been detected between the method detection limit and the reporting limit.
C	Elevated detection limit due to matrix effects.
E	Estimated concentration due to matrix interferences. During the metals analysis using the inductively coupled plasma (ICP), the serial dilution failed to meet the established control limits of 0-10% and the sample concentration is greater than 50 times the IDL (100 times the IDL for analysis done on the ICP-MS). The result was flagged with the E qualifier to indicate that a physical interference was observed.
F	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
H(n)	Analysis performed "n" days past holding time (See Sample Narrative).
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
L	Elevated detection limit due to low sample volume.
N	Spiked sample recovery not within control limits.
Q	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
U	The analyte was not detected above the reporting limit.
X	See sample narrative.
&	Laboratory Control Spike recovery not within control limits.
*	Duplicate analyses not within control limits.
SUB1	Assay was subcontracted to an approved lab.
SUB2	Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.
1	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria. (See Sample Narrative).
3	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : 0203 06 WA01PC
Lab Sample Number : 920638-001
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

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

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	86	1.1	3.5		ug/L		3/8/02	SW846 8260B
1,1,2-Trichloroethane	< 0.94	0.94	3.0		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethane	12	1.2	3.8		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethene	6.3	0.94	3.0		ug/L		3/8/02	SW846 8260B
1,2-Dichloroethane	< 1.1	1.1	3.5		ug/L		3/8/02	SW846 8260B
cis-1,2-Dichloroethene	29	0.92	2.9		ug/L		3/8/02	SW846 8260B
Ethylbenzene	< 1.0	1.0	3.2		ug/L		3/8/02	SW846 8260B
Methylene chloride	< 0.76	0.76	2.4		ug/L		3/8/02	SW846 8260B
Tetrachloroethene	3.2	0.82	2.6		ug/L		3/8/02	SW846 8260B
Toluene	< 0.80	0.80	2.5		ug/L		3/8/02	SW846 8260B
trans-1,2-Dichloroethene	12	1.3	4.1		ug/L		3/8/02	SW846 8260B
Trichloroethene	320	0.98	3.1		ug/L		3/8/02	SW846 8260B
Vinyl chloride	1.0	0.34	1.1		ug/L	Q	3/8/02	SW846 8260B
Xylene, total	< 2.5	2.5	8.0		ug/L		3/8/02	SW846 8260B
4-Bromofluorobenzene	99				%Recov		3/8/02	SW846 8260B
Dibromofluoromethane	101				%Recov		3/8/02	SW846 8260B
Toluene-d8	100				%Recov		3/8/02	SW846 8260B

- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : 0203 06 WA04QC
Lab Sample Number : 920638-004
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

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

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	20	0.53	1.7		ug/L		3/8/02	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethane	4.8	0.61	1.9		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethene	1.0	0.47	1.5		ug/L	Q	3/8/02	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		3/8/02	SW846 8260B
cis-1,2-Dichloroethene	11	0.46	1.5		ug/L		3/8/02	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		3/8/02	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		3/8/02	SW846 8260B
Tetrachloroethene	0.48	0.41	1.3		ug/L	Q	3/8/02	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		3/8/02	SW846 8260B
trans-1,2-Dichloroethene	2.2	0.64	2.0		ug/L		3/8/02	SW846 8260B
Trichloroethene	91	0.49	1.6		ug/L		3/8/02	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		3/8/02	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		3/8/02	SW846 8260B
4-Bromofluorobenzene	99				%Recov		3/8/02	SW846 8260B
Dibromofluoromethane	100				%Recov		3/8/02	SW846 8260B
Toluene-d8	102				%Recov		3/8/02	SW846 8260B

- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : 0203 06 WA07PC
Lab Sample Number : 920638-006
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

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

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		3/8/02	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		3/8/02	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		3/8/02	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		3/8/02	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		3/8/02	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		3/8/02	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		3/8/02	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		3/8/02	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		3/8/02	SW846 8260B
Trichloroethene	0.77	0.49	1.6		ug/L	Q	3/8/02	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		3/8/02	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		3/8/02	SW846 8260B
4-Bromofluorobenzene	100				%Recov		3/8/02	SW846 8260B
Dibromofluoromethane	100				%Recov		3/8/02	SW846 8260B
Toluene-d8	102				%Recov		3/8/02	SW846 8260B

- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : 0203 06 WA09PC
Lab Sample Number : 920638-008
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date : 3/6/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

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

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		3/8/02	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		3/8/02	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		3/8/02	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		3/8/02	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		3/8/02	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		3/8/02	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		3/8/02	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		3/8/02	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		3/8/02	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		3/8/02	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		3/8/02	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		3/8/02	SW846 8260B
4-Bromofluorobenzene	101				%Recov		3/8/02	SW846 8260B
Dibromofluoromethane	98				%Recov		3/8/02	SW846 8260B
Toluene-d8	101				%Recov		3/8/02	SW846 8260B

- Analytical Report -

Project Name : OGTP
Project Number :
Field ID : TRIP BLANK-C
Lab Sample Number : 920638-010
Lab Project Number : 920638

Submitter : US ARMY CORPS OF ENGINEERS
Report Date : 3/20/02
Collection Date :
Matrix Type : BLANK
WI DNR LAB ID : 113172950

Volatile Organic Results

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

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		3/8/02	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		3/8/02	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		3/8/02	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		3/8/02	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		3/8/02	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		3/8/02	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		3/8/02	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		3/8/02	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		3/8/02	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		3/8/02	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		3/8/02	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		3/8/02	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		3/8/02	SW846 8260B
4-Bromofluorobenzene	101				%Recov		3/8/02	SW846 8260B
Dibromofluoromethane	100				%Recov		3/8/02	SW846 8260B
Toluene-d8	103				%Recov		3/8/02	SW846 8260B

En Chem, Inc.

Organic Data Qualifiers

B	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	Elevated detection limit (see Sample Narrative).
D	Analyte value from diluted analysis, or surrogate result not applicable due to sample dilution.
E	Analyte concentration exceeds calibration range (see Sample Narrative).
F	Surrogate results outside control criteria.
H(n)	Extraction or analysis performed "n" days past holding time.
J	Qualitative evidence of analyte present: concentration detected is greater than the method detection limit but less than the reporting limit.
K	Detection limit may be elevated due to the presence of an unrequested analyte.
N	Spiked sample recovery not within control limits.
P	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	The analyte was not detected above the reporting limit.
W	Sample received with headspace.
X	See Sample Narrative.
&	Laboratory Control Spike recovery not within control limits.
*	Duplicate analyses not within control limits.
SUB1	Assay was subcontracted to an approved lab.
SUB2	Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.

Corporate Office & Laboratory
1241 Bellevue Street
Green Bay, WI 54302
920-469-2436 • FAX: 920-469-8827
800-7-ENCHEM

EN CHEM INC.

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

- Analytical Report -

Project Name : OGTP
Project Number :

Client : US ARMY CORPS OF ENGINEERS
Report Date : 4/4/02
WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
920971-001	0203 06 WA01PC	3/6/02			
920971-002	0203 06 WA05PC	3/6/02			
920971-003	0203 06 WA07PC	3/6/02			
920971-004	0203 06 WA09PC	3/6/02			

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

Tod Holtemeyer
Approval Signature

4/4/02
Date

- Analytical Report -

Project Name : OGTP

Project Number :

Client : US ARMY CORPS OF ENGINEERS

Report Date : 4/4/02

WI DNR LAB ID : 113172950

Prep Method: SW846 3020

Analysis Method: SW846 6020

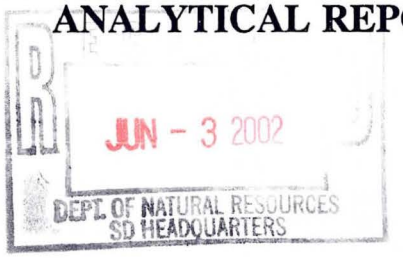
Test : Zinc

Inorganic Results

Lab#	Station ID	Result	LOD	LOQ	EQL	Matrix Type	Units	Code	Analysis Date
920971-001	0203 06 WA01P	< 3.7	3.7	12		WATER	ug/L		3/12/02
920971-002	0203 06 WA05P	18	3.7	12		WATER	ug/L	A(4.3)	3/12/02
920971-003	0203 06 WA07P	20	3.7	12		WATER	ug/L	A(4.3)	3/12/02
920971-004	0203 06 WA09P	6.8	3.7	12		WATER	ug/L	QA(4.3)	3/12/02

TestAmerica
INCORPORATED

ANALYTICAL REPORT



Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002

Job No: 02.02633

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

Sample Number	Sample Description	Date Taken	Date Received
474910	020325WA01P	03/25/2002	03/26/2002
474911	020325WA01Q	03/25/2002	03/26/2002
474912	020325WA04Q	03/25/2002	03/26/2002
474913	020325WA05P	03/25/2002	03/26/2002
474914	020325WA07P	03/25/2002	03/26/2002
474915	020325WA07Q	03/25/2002	03/26/2002
474916	020325WA08P	03/25/2002	03/26/2002
474917	020325WA09P	03/25/2002	03/26/2002
474918	020325WA09Q	03/25/2002	03/26/2002
474919	020325WA09R	03/25/2002	03/26/2002
474920	Trip Blank	03/25/2002	03/26/2002
474921	020325WA01P	03/26/2002	03/26/2002
474922	020325WA09P	03/26/2002	03/26/2002

Brian D. DeJong
Organic Operations Manager

602 COMMERCE DRIVE / WATERTOWN, WI 53094 / 920-261-1660 / FAX: 920-261-8120 / 800-833-7036

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.

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474910
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA01P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:24 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
Cyanide, amenable	<0.0077	mg/L	0.0077	0.027	EPA 335.4	04/05/2002	tds	188	155
Cyanide, total	<0.0077	mg/L	0.0077	0.027	EPA 335.4	03/29/2002	tds	578	541
Arsenic, Dissolved, GFAA	0.0026	mg/L	0.0018	0.0065	EPA 206.2	04/03/2002	mmm		871
Barium, Dissolved, ICP	0.10	mg/L	0.0011	0.0039	SW 6010B	04/03/2002	070		1122
Cadmium, Dissolved, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/11/2002	mmm		971
Chromium, Dissolved, ICP	<0.0032	mg/L	0.0032	0.012	SW 6010B	04/03/2002	070		989
Copper, Dissolved, ICP	<0.0091	mg/L	0.0091	0.032	SW 6010B	04/03/2002	070		993
Iron, Dissolved, ICP	1.0	mg/L	0.022	0.079	SW 6010B	04/03/2002	070		987
Lead, Dissolved, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/09/2002	mmm		2201
Manganese, Dissolved, ICP	0.12	mg/L	0.0020	0.0070	SW 6010B	04/03/2002	070		989
Mercury, Dissolved, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/03/2002	mmm	114	1796
Nickel, Dissolved, ICP	0.012	mg/L	0.0095	0.034	SW 6010B	04/03/2002	070		985
Selenium, Dissolved, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/10/2002	mmm		723
Silver, Dissolved, ICP	<0.0015	mg/L	0.0015	0.0054	SW 6010B	04/03/2002	070		985
Thallium, Dissolved, GFAA	0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/12/2002	mmm		323
Zinc, Dissolved, ICP	0.013	mg/L	0.0041	0.014	SW 6010B	04/03/2002	070		992
VOC - AQUEOUS - EPA 8260B									
Benzene	<1.0	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae		3586
Bromobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Bromochloromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Bromodichloromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Bromoform	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Bromomethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
n-Butylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
sec-Butylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
tert-Butylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Carbon Tetrachloride	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chlorodibromomethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chloroform	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chloromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
2-Chlorotoluene	<1.0	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae		3586
4-Chlorotoluene	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,2-Dibromo-3-Chloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,2-Dibromoethane (EDB)	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Dibromomethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,2-Dichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,3-Dichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474910
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA01P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:24 Date Received: 03/26/2002

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
1,4-Dichlorobenzene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Dichlorodifluoromethane		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1-Dichloroethane		12	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2-Dichloroethane		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1-Dichloroethene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
cis-1,2-Dichloroethene		27	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
trans-1,2-Dichloroethene		9.8	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2-Dichloropropane		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,3-Dichloropropane		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
2,2-Dichloropropane	C	<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1-Dichloropropene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
cis-1,3-Dichloropropene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
trans-1,3-Dichloropropene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Di-isopropyl ether		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Ethylbenzene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Hexachlorobutadiene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Isopropylbenzene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
p-Isopropyltoluene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Methylene Chloride		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Methyl-t-butyl ether		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Naphthalene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
n-Propylbenzene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Styrene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,1,2-Tetrachloroethane		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,2,2-Tetrachloroethane		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Tetrachloroethene		3.0	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Toluene		<1.0	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
1,2,3-Trichlorobenzene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2,4-Trichlorobenzene		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,1-Trichloroethane		71	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,2-Trichloroethane		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Trichloroethene		280	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Trichlorofluoromethane		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2,3-Trichloropropane		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2,4-Trimethylbenzene		<1.0	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
1,3,5-Trimethylbenzene		<1.0	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
Vinyl Chloride		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Xylenes, Total		<2.5	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Surr: Dibromofluoromethane		106.4	%		86-119	SW 8260B	04/06/2002	mae	3586

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ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474910
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA01P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:24 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Surr: Toluene-d8	95.6	%		88-110	SW 8260B	04/06/2002	mae	3586
Surr: Bromofluorobenzene	102.2	%		91-110	SW 8260B	04/06/2002	mae	3586
pH, Field	6.7	units	n/a	n/a	EPA 150.1	03/25/2002	pam	2890

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ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474911
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA01Q
Rec'd on ice

Date/Time Taken: 03/25/2002 11:24 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Solids, Total Suspended	1.0	mg/L	1.0	3.3	EPA 160.2	04/01/2002	seh	2709
Nickel, Dissolved	0.0089	mg/L	0.0077	0.027	EPA 249.1	04/04/2002	gaf	1078
pH, Field	6.9	units	n/a	n/a	EPA 150.1	03/25/2002	pam	2890

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474912
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA04Q
Rec'd on ice

Date/Time Taken: 03/25/2002 11:18 Date Received: 03/26/2002

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
Cyanide, total		<0.0077	mg/L	0.0077	0.027	EPA 335.4	04/05/2002	tds	579	542
Solids, Total Suspended		12	mg/L	1.0	3.3	EPA 160.2	04/01/2002	seh		2709
Nickel, Dissolved		0.012	mg/L	0.0077	0.027	EPA 249.1	04/04/2002	gaf		1078
VOC - AQUEOUS - EPA 8260B										
Benzene		<0.20	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae		3586
Bromobenzene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Bromochloromethane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Bromodichloromethane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Bromoform		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Bromomethane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
n-Butylbenzene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
sec-Butylbenzene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
tert-Butylbenzene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Carbon Tetrachloride		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chlorobenzene		1.0	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chlorodibromomethane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chloroethane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chloroform		0.58	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Chloromethane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
2-Chlorotoluene		<0.20	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae		3586
4-Chlorotoluene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,2-Dibromo-3-Chloropropane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,2-Dibromoethane (EDB)		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Dibromomethane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,2-Dichlorobenzene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,3-Dichlorobenzene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,4-Dichlorobenzene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
Dichlorodifluoromethane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,1-Dichloroethane		7.1	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,2-Dichloroethane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,1-Dichloroethene		1.4	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
cis-1,2-Dichloroethene		16	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
trans-1,2-Dichloroethene		3.4	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,2-Dichloropropane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,3-Dichloropropane		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
2,2-Dichloropropane	C	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
1,1-Dichloropropene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
cis-1,3-Dichloropropene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586
trans-1,3-Dichloropropene		<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae		3586

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474912
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA04Q
Rec'd on ice

Date/Time Taken: 03/25/2002 11:18 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Di-isopropyl ether	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Ethylbenzene	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Hexachlorobutadiene	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Isopropylbenzene	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
p-Isopropyltoluene	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Methylene Chloride	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Methyl-t-butyl ether	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Naphthalene	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
n-Propylbenzene	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Styrene	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Tetrachloroethene	0.72	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Toluene	<0.20	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
1,2,3-Trichlorobenzene	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2,4-Trichlorobenzene	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,1-Trichloroethane	28	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,2-Trichloroethane	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Trichloroethene	130	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Trichlorofluoromethane	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2,3-Trichloropropane	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2,4-Trimethylbenzene	<0.20	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
1,3,5-Trimethylbenzene	<0.20	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
Vinyl Chloride	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Xylenes, Total	<0.50	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Surr: Dibromofluoromethane	105.6	%		86-119	SW 8260B	04/06/2002	mae	3586
Surr: Toluene-d8	95.6	%		88-110	SW 8260B	04/06/2002	mae	3586
Surr: Bromofluorobenzene	102.0	%		91-110	SW 8260B	04/06/2002	mae	3586
pH, Field	7.1	units	n/a	n/a	EPA 150.1	03/25/2002	pam	2890

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ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474913
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA05P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:10 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
pH, Field	7.1	units	n/a	n/a	EPA 150.1	03/25/2002	pam	2890

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474914
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA07P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:12 Date Received: 03/26/2002

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B									
Benzene		<0.10	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
Bromobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Bromochloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Bromodichloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Bromoform		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Bromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
n-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
sec-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
tert-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Carbon Tetrachloride		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Chlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Chlorodibromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Chloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Chloroform		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Chloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
2-Chlorotoluene		<0.10	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
4-Chlorotoluene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2-Dibromo-3-Chloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2-Dibromoethane (EDB)		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Dibromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,3-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,4-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Dichlorodifluoromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1-Dichloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2-Dichloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
cis-1,2-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
trans-1,2-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2-Dichloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,3-Dichloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
2,2-Dichloropropane	C	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
cis-1,3-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
trans-1,3-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Di-isopropyl ether		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Ethylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Hexachlorobutadiene		<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474914
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA07P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:12 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Naphthalene	0.49	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Trichloroethene	0.29	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/06/2002	mae	3586
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/06/2002	mae	3586
Surr: Dibromofluoromethane	104.8	%		86-119	SW 8260B	04/06/2002	mae	3586
Surr: Toluene-d8	95.4	%		88-110	SW 8260B	04/06/2002	mae	3586
Surr: Bromofluorobenzene	101.4	%		91-110	SW 8260B	04/06/2002	mae	3586

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474915
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA07Q
Rec'd on ice

Date/Time Taken: 03/25/2002 11:12 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
Cyanide, total	<0.0077	mg/L	0.0077	0.027	EPA 335.4	04/05/2002	tds	579	542
Solids, Total Suspended	12	mg/L	1.0	3.3	EPA 160.2	04/01/2002	seh		2709
Nickel, Dissolved	0.0089	mg/L	0.0077	0.027	EPA 249.1	04/04/2002	gaf		1078
pH, Field	7.8	units	n/a	n/a	EPA 150.1	03/25/2002	pam		2890

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474916
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA08P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:16 Date Received: 03/26/2002

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B									
Benzene		<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
Bromobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Bromochloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Bromodichloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Bromoform		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Bromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
n-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
sec-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
tert-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Carbon Tetrachloride		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chlorodibromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chloroform		0.60	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
2-Chlorotoluene		<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
4-Chlorotoluene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dibromo-3-Chloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dibromoethane (EDB)		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Dibromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,3-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,4-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Dichlorodifluoromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1-Dichloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dichloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
cis-1,2-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
trans-1,2-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dichloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,3-Dichloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
2,2-Dichloropropane	C	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
cis-1,3-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
trans-1,3-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Di-isopropyl ether		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Ethylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Hexachlorobutadiene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474916
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA08P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:16 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Trichloroethene	0.66	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Surr: Dibromofluoromethane	108.8	%		86-119	SW 8260B	04/05/2002	mae	3583
Surr: Toluene-d8	96.2	%		88-110	SW 8260B	04/05/2002	mae	3583
Surr: Bromofluorobenzene	102.4	%		91-110	SW 8260B	04/05/2002	mae	3583

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474917
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA09P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:28 Date Received: 03/26/2002

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
Cyanide, amenable		<0.0077	mg/L	0.0077	0.027	EPA 335.4	04/05/2002	tds	188	155
Cyanide, total		<0.0077	mg/L	0.0077	0.027	EPA 335.4	04/05/2002	tds	579	542
VOC - AQUEOUS - EPA 8260B										
Benzene		<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae		3583
Bromobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Bromochloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Bromodichloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Bromoform		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Bromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
n-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
sec-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
tert-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Carbon Tetrachloride		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Chlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Chlorodibromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Chloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Chloroform		0.57	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Chloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
2-Chlorotoluene		<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae		3583
4-Chlorotoluene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,2-Dibromo-3-Chloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,2-Dibromoethane (EDB)		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Dibromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,2-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,3-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,4-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Dichlorodifluoromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,1-Dichloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,2-Dichloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,1-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
cis-1,2-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
trans-1,2-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,2-Dichloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,3-Dichloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
2,2-Dichloropropane	C	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
1,1-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
cis-1,3-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
trans-1,3-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583
Di-isopropyl ether		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae		3583

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474917
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA09P
Rec'd on ice

Date/Time Taken: 03/25/2002 11:28 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Trichloroethene	0.59	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Surr: Dibromofluoromethane	108.4	%		86-119	SW 8260B	04/05/2002	mae	3583
Surr: Toluene-d8	97.4	%		88-110	SW 8260B	04/05/2002	mae	3583
Surr: Bromofluorobenzene	102.4	%		91-110	SW 8260B	04/05/2002	mae	3583
pH, Field	7.8	units	n/a	n/a	EPA 150.1	03/25/2002	pam	2890

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ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474918
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA09Q
Rec'd on ice

Date/Time Taken: 03/25/2002 11:28 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
pH, Field	7.9	units	n/a	n/a	EPA 150.1	03/25/2002	pam	2890

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ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474919
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA09R
Rec'd on ice

Date/Time Taken: 03/25/2002 11:22 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
Arsenic, Dissolved, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/03/2002	mmm		871
Barium, Dissolved, ICP	0.095	mg/L	0.0011	0.0039	SW 6010B	04/03/2002	070		1122
Cadmium, Dissolved, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/11/2002	mmm		971
Chromium, Dissolved, ICP	<0.0032	mg/L	0.0032	0.012	SW 6010B	04/03/2002	070		989
Copper, Dissolved, ICP	<0.0091	mg/L	0.0091	0.032	SW 6010B	04/03/2002	070		993
Iron, Dissolved, ICP	0.22	mg/L	0.022	0.079	SW 6010B	04/03/2002	070		987
Lead, Dissolved, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/09/2002	mmm		2201
Manganese, Dissolved, ICP	0.11	mg/L	0.0020	0.0070	SW 6010B	04/03/2002	070		989
Mercury, Dissolved, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/03/2002	mmm	114	1796
Nickel, Dissolved, ICP	0.014	mg/L	0.0095	0.034	SW 6010B	04/03/2002	070		985
Selenium, Dissolved, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/10/2002	mmm		723
Silver, Dissolved, ICP	<0.0015	mg/L	0.0015	0.0054	SW 6010B	04/03/2002	070		985
Thallium, Dissolved, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/12/2002	mmm		323
Zinc, Dissolved, ICP	0.017	mg/L	0.0041	0.014	SW 6010B	04/03/2002	070		992

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474920
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Trip Blank
Rec'd on ice

Date/Time Taken: 03/25/2002 UNKNOWN Date Received: 03/26/2002

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B									
Benzene		<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
Bromobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Bromochloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Bromodichloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Bromoform		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Bromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
n-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
sec-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
tert-Butylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Carbon Tetrachloride		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chlorodibromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chloroform		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Chloromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
2-Chlorotoluene		<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
4-Chlorotoluene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dibromo-3-Chloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dibromoethane (EDB)		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Dibromomethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,3-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,4-Dichlorobenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Dichlorodifluoromethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1-Dichloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dichloroethane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
cis-1,2-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
trans-1,2-Dichloroethene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2-Dichloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,3-Dichloropropane		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
2,2-Dichloropropane	C	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
cis-1,3-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
trans-1,3-Dichloropropene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Di-isopropyl ether		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Ethylbenzene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Hexachlorobutadiene		<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583

ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474920
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Trip Blank
Rec'd on ice

Date/Time Taken: 03/25/2002 UNKNOWN Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/05/2002	mae	3583
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/05/2002	mae	3583
Surr: Dibromofluoromethane	108.6	%		86-119	SW 8260B	04/05/2002	mae	3583
Surr: Toluene-d8	96.4	%		88-110	SW 8260B	04/05/2002	mae	3583
Surr: Bromofluorobenzene	102.2	%		91-110	SW 8260B	04/05/2002	mae	3583

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ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474921
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA01P
Rec'd on ice

Date/Time Taken: 03/26/2002 06:15 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Chromium, hexavalent	<0.0042	mg/L	0.0042	0.015	SM 3500CrD	03/26/2002	jts	800

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ANALYTICAL REPORT

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

04/12/2002
Job No: 02.02633
Sample No: 474922
Account No: 940

JOB DESCRIPTION: Pilot Test Week 10
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 020325WA09P
Rec'd on ice

Date/Time Taken: 03/26/2002 06:10 Date Received: 03/26/2002

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Chromium, hexavalent	<0.0042	mg/L	0.0042	0.015	SM 3500CrD	03/26/2002	jts	800

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QUALITY CONTROL REPORT

BLANKS

04/12/2002

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

Job No: 02.02633
Account No: 940

Job Description: Pilot Test Week 10

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Chromium, hexavalent		800	<0.0042	0.0042	0.015	mg/L
Chromium, hexavalent		800	<0.0042	0.0042	0.015	mg/L
Cyanide, amenable		155	<0.0077	0.0077	0.027	mg/L
Cyanide, total	578	541	<0.0077	0.0077	0.027	mg/L
Cyanide, total	579	542	<0.0077	0.0077	0.027	mg/L
Arsenic, Dissolved, GFAA		871	<0.0018	0.0018	0.0065	mg/L
Barium, Dissolved, ICP		1122	<0.0011	0.0011	0.0039	mg/L
Cadmium, Dissolved, GFAA		971	<0.000042	0.000042	0.00015	mg/L
Chromium, Dissolved, ICP		989	<0.0032	0.0032	0.012	mg/L
Copper, Dissolved, ICP		993	<0.0091	0.0091	0.032	mg/L
Iron, Dissolved, ICP		987	<0.022	0.022	0.079	mg/L
Lead, Dissolved, GFAA		2201	<0.0012	0.0012	0.0044	mg/L
Manganese, Dissolved, ICP		989	<0.0020	0.0020	0.0070	mg/L
Mercury, Dissolved, CVAA	114	1796	<0.000056	0.000056	0.00020	mg/L
Mercury, Dissolved, CVAA		1796	<0.000056	0.000056	0.00020	mg/L
Nickel, Dissolved, ICP		985	<0.0095	0.0095	0.034	mg/L
Nickel, Dissolved		1078	<0.0077	0.0077	0.027	mg/L
Selenium, Dissolved, GFAA		723	<0.0015	0.0015	0.0054	mg/L
Silver, Dissolved, ICP		985	<0.0015	0.0015	0.0054	mg/L
Thallium, Dissolved, GFAA		323	<0.0014	0.0014	0.0048	mg/L
Zinc, Dissolved, ICP		992	<0.0041	0.0041	0.014	mg/L
VOC - AQUEOUS - EPA 8260B						
Benzene		3583	<0.10	0.10	0.33	ug/L
Bromobenzene		3583	<0.25	0.25	0.83	ug/L
Bromochloromethane		3583	<0.25	0.25	0.83	ug/L
Bromodichloromethane		3583	<0.25	0.25	0.83	ug/L
Bromoform		3583	<0.25	0.25	0.83	ug/L
Bromomethane		3583	<0.25	0.25	0.83	ug/L
n-Butylbenzene		3583	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		3583	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		3583	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		3583	<0.25	0.25	0.83	ug/L
Chlorobenzene		3583	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		3583	<0.25	0.25	0.83	ug/L
Chloroethane		3583	<0.25	0.25	0.83	ug/L
Chloroform		3583	<0.25	0.25	0.83	ug/L
Chloromethane		3583	<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

QUALITY CONTROL REPORT

BLANKS

04/12/2002

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

Job No: 02.02633
Account No: 940

Job Description: Pilot Test Week 10

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
2-Chlorotoluene		3583	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		3583	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		3583	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		3583	<0.25	0.25	0.83	ug/L
Dibromomethane		3583	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		3583	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		3583	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		3583	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		3583	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		3583	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		3583	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		3583	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		3583	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		3583	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		3583	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		3583	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		3583	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		3583	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		3583	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		3583	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		3583	<0.25	0.25	0.83	ug/L
Ethylbenzene		3583	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		3583	<0.25	0.25	0.83	ug/L
Isopropylbenzene		3583	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		3583	<0.25	0.25	0.83	ug/L
Methylene Chloride		3583	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		3583	<0.25	0.25	0.83	ug/L
Naphthalene		3583	<0.25	0.25	0.83	ug/L
n-Propylbenzene		3583	<0.25	0.25	0.83	ug/L
Styrene		3583	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		3583	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		3583	<0.25	0.25	0.83	ug/L
Tetrachloroethene		3583	<0.25	0.25	0.83	ug/L
Toluene		3583	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		3583	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		3583	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		3583	<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

04/12/2002

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

Job No: 02.02633
Account No: 940

Job Description: Pilot Test Week 10

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,1,2-Trichloroethane		3583	<0.25	0.25	0.83	ug/L
Trichloroethene		3583	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		3583	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		3583	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		3583	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		3583	<0.10	0.10	0.33	ug/L
Vinyl Chloride		3583	<0.25	0.25	0.83	ug/L
Xylenes, Total		3583	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		3583	106.0		86-119	%
Surr: Toluene-d8		3583	97.6		88-110	%
Surr: Bromofluorobenzene		3583	102.4		91-110	%
VOC - AQUEOUS - EPA 8260B						
Benzene		3586	<0.10	0.10	0.33	ug/L
Bromobenzene		3586	<0.25	0.25	0.83	ug/L
Bromochloromethane		3586	<0.25	0.25	0.83	ug/L
Bromodichloromethane		3586	<0.25	0.25	0.83	ug/L
Bromoform		3586	<0.25	0.25	0.83	ug/L
Bromomethane		3586	<0.25	0.25	0.83	ug/L
n-Butylbenzene		3586	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		3586	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		3586	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		3586	<0.25	0.25	0.83	ug/L
Chlorobenzene		3586	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		3586	<0.25	0.25	0.83	ug/L
Chloroethane		3586	<0.25	0.25	0.83	ug/L
Chloroform		3586	<0.25	0.25	0.83	ug/L
Chloromethane		3586	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		3586	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		3586	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		3586	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		3586	<0.25	0.25	0.83	ug/L
Dibromomethane		3586	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		3586	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		3586	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		3586	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		3586	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		3586	<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

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

Job No: 02.02633
Account No: 940

Job Description: Pilot Test Week 10

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,2-Dichloroethane		3586	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		3586	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		3586	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		3586	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		3586	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		3586	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		3586	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		3586	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		3586	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		3586	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		3586	<0.25	0.25	0.83	ug/L
Ethylbenzene		3586	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		3586	<0.25	0.25	0.83	ug/L
Isopropylbenzene		3586	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		3586	<0.25	0.25	0.83	ug/L
Methylene Chloride		3586	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		3586	<0.25	0.25	0.83	ug/L
Naphthalene		3586	<0.25	0.25	0.83	ug/L
n-Propylbenzene		3586	<0.25	0.25	0.83	ug/L
Styrene		3586	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		3586	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		3586	<0.25	0.25	0.83	ug/L
Tetrachloroethene		3586	<0.25	0.25	0.83	ug/L
Toluene		3586	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		3586	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		3586	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		3586	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		3586	<0.25	0.25	0.83	ug/L
Trichloroethene		3586	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		3586	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		3586	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		3586	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		3586	<0.10	0.10	0.33	ug/L
Vinyl Chloride		3586	<0.25	0.25	0.83	ug/L
Xylenes, Total		3586	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		3586	108.0		86-119	%
Surr: Toluene-d8		3586	96.6		88-110	%

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

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INCORPORATED

QUALITY CONTROL REPORT

BLANKS

04/12/2002

Mr. Jim Chang
APL ENVIRONMENTAL LAB
8222 W. Calumet Road
Milwaukee, WI 53233

Job No: 02.02633
Account No: 940

Job Description: Pilot Test Week 10

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Surr: Bromofluorobenzene		3586	102.6		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.
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ORGANIC REPORT

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

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

Sample Number: 27767
Client ID: 020306WA07P

QC Prep Batch Number: 1000103

Collection: 3/6/2002 Time: 07:10
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/12/2002 / 3/14/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/12/2002 / 3/14/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/12/2002 / 3/14/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/12/2002 / 3/14/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/12/2002 / 3/14/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/12/2002 / 3/14/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/12/2002 / 3/14/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/12/2002 / 3/14/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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	445134030	3/12/2002 / 3/14/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	3/12/2002 / 3/14/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	445134030	3/12/2002 / 3/14/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	445134030	3/12/2002 / 3/14/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	445134030	3/12/2002 / 3/14/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	445134030	3/12/2002 / 3/14/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
Trichloroethene	0.52	ug/l	0.34	1.1	1	J	8260	445134030	3/12/2002 / 3/14/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	445134030	3/12/2002 / 3/14/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	445134030	3/12/2002 / 3/14/2002

Sample Number: 27768 QC Prep Batch Number: 1000103 Collection: 3/6/2002 Time: 07:30
Client ID: 020306WA01P Sample Description:

1,1,1,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	10		8260	445134030	3/12/2002 / 3/12/2002
1,1,1-Trichloroethane	100	ug/l	3.1	9.9	10		8260	445134030	3/12/2002 / 3/12/2002
1,1,2,2-Tetrachloroethane	<4.4	ug/l	4.4	14	10		8260	445134030	3/12/2002 / 3/12/2002
1,1,2-Trichloroethane	<4.4	ug/l	4.4	14	10		8260	445134030	3/12/2002 / 3/12/2002
1,1-Dichloroethane	16	ug/l	3.2	10	10		8260	445134030	3/12/2002 / 3/12/2002
1,1-Dichloroethene	12	ug/l	3.4	11	10		8260	445134030	3/12/2002 / 3/12/2002
1,1-Dichloropropene	<4.3	ug/l	4.3	14	10		8260	445134030	3/12/2002 / 3/12/2002
1,2,3-Trichlorobenzene	<5.0	ug/l	5.0	16	10		8260	445134030	3/12/2002 / 3/12/2002
1,2,3-Trichloropropane	<5.1	ug/l	5.1	16	10		8260	445134030	3/12/2002 / 3/12/2002
1,2,4-Trichlorobenzene	<4.7	ug/l	4.7	15	10		8260	445134030	3/12/2002 / 3/12/2002
1,2,4-Trimethylbenzene	<3.0	ug/l	3.0	9.5	10		8260	445134030	3/12/2002 / 3/12/2002
1,2-Dibromoethane	<4.6	ug/l	4.6	15	10		8260	445134030	3/12/2002 / 3/12/2002
1,2-Dichlorobenzene	<3.4	ug/l	3.4	11	10		8260	445134030	3/12/2002 / 3/12/2002
1,2-Dichloroethane	<3.5	ug/l	3.5	11	10		8260	445134030	3/12/2002 / 3/12/2002
1,2-Dichloropropane	<3.2	ug/l	3.2	10	10		8260	445134030	3/12/2002 / 3/12/2002
1,3,5-Trimethylbenzene	<3.4	ug/l	3.4	11	10		8260	445134030	3/12/2002 / 3/12/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8.3	10		8260	445134030	3/12/2002 / 3/12/2002
1,3-Dichloropropane	<3.9	ug/l	3.9	12	10		8260	445134030	3/12/2002 / 3/12/2002
1,4-Dichlorobenzene	<3.6	ug/l	3.6	11	10		8260	445134030	3/12/2002 / 3/12/2002
12Dibromo-3-chloropropan	<3.3	ug/l	3.3	10	10		8260	445134030	3/12/2002 / 3/12/2002
2,2-Dichloropropane	<2.7	ug/l	2.7	8.6	10		8260	445134030	3/12/2002 / 3/12/2002
2-Butanone (MEK)	<14	ug/l	14	44	10		8260	445134030	3/12/2002 / 3/12/2002
2-Chloroethyl Vinyl Ether	<7.0	ug/l	7.0	22	10		8260	445134030	3/12/2002 / 3/12/2002
2-Chlorotoluene	<3.0	ug/l	3.0	9.5	10		8260	445134030	3/12/2002 / 3/12/2002
4-Chlorotoluene	<2.6	ug/l	2.6	8.3	10		8260	445134030	3/12/2002 / 3/12/2002
4-Methyl-2-Pentanone	<8.0	ug/l	8.0	25	10		8260	445134030	3/12/2002 / 3/12/2002
Acetone	<16	ug/l	16	49	10		8260	445134030	3/12/2002 / 3/12/2002
Benzene	<2.7	ug/l	2.7	8.6	10		8260	445134030	3/12/2002 / 3/12/2002
Bromobenzene	<3.1	ug/l	3.1	9.9	10		8260	445134030	3/12/2002 / 3/12/2002
Bromochloromethane	<3.7	ug/l	3.7	12	10		8260	445134030	3/12/2002 / 3/12/2002
Bromodichloromethane	<3.8	ug/l	3.8	12	10		8260	445134030	3/12/2002 / 3/12/2002
Bromoform	<3.9	ug/l	3.9	12	10		8260	445134030	3/12/2002 / 3/12/2002
Bromomethane	<6.5	ug/l	6.5	21	10		8260	445134030	3/12/2002 / 3/12/2002
Carbon tetrachloride	<2.7	ug/l	2.7	8.6	10		8260	445134030	3/12/2002 / 3/12/2002
Chlorobenzene	<2.6	ug/l	2.6	8.3	10		8260	445134030	3/12/2002 / 3/12/2002
Chloroethane	<6.4	ug/l	6.4	20	10		8260	445134030	3/12/2002 / 3/12/2002
Chloroform	<2.4	ug/l	2.4	7.6	10		8260	445134030	3/12/2002 / 3/12/2002
Chloromethane	<4.9	ug/l	4.9	16	10		8260	445134030	3/12/2002 / 3/12/2002
cis-1,2-Dichloroethene	32	ug/l	2.7	8.6	10		8260	445134030	3/12/2002 / 3/12/2002
cis-1,3-Dichloropropene	<3.7	ug/l	3.7	12	10		8260	445134030	3/12/2002 / 3/12/2002
Dibromochloromethane	<4.1	ug/l	4.1	13	10		8260	445134030	3/12/2002 / 3/12/2002
Dibromomethane	<4.6	ug/l	4.6	15	10		8260	445134030	3/12/2002 / 3/12/2002
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	10		8260	445134030	3/12/2002 / 3/12/2002
Ethylbenzene	<2.5	ug/l	2.5	8.0	10		8260	445134030	3/12/2002 / 3/12/2002
Hexachlorobutadiene	<4.2	ug/l	4.2	13	10		8260	445134030	3/12/2002 / 3/12/2002
Isopropyl Ether	<3.0	ug/l	3.0	9.5	10		8260	445134030	3/12/2002 / 3/12/2002
Isopropylbenzene	<3.3	ug/l	3.3	10	10		8260	445134030	3/12/2002 / 3/12/2002
m&p-xylene	<5.3	ug/l	5.3	17	10		8260	445134030	3/12/2002 / 3/12/2002
Methyl-t-butyl ether	<3.9	ug/l	3.9	12	10		8260	445134030	3/12/2002 / 3/12/2002
Methylene chloride	<3.0	ug/l	3.0	9.5	10		8260	445134030	3/12/2002 / 3/12/2002
n-Butylbenzene	<3.6	ug/l	3.6	11	10		8260	445134030	3/12/2002 / 3/12/2002
n-Propylbenzene	<2.8	ug/l	2.8	8.9	10		8260	445134030	3/12/2002 / 3/12/2002
Naphthalene	<7.5	ug/l	7.5	24	10		8260	445134030	3/12/2002 / 3/12/2002
o-xylene	<2.5	ug/l	2.5	8.0	10		8260	445134030	3/12/2002 / 3/12/2002
p-Isopropyltoluene	<3.1	ug/l	3.1	9.9	10		8260	445134030	3/12/2002 / 3/12/2002
sec-Butylbenzene	<3.4	ug/l	3.4	11	10		8260	445134030	3/12/2002 / 3/12/2002
Styrene	<2.5	ug/l	2.5	8.0	10		8260	445134030	3/12/2002 / 3/12/2002
tert-Butylbenzene	<3.0	ug/l	3.0	9.5	10		8260	445134030	3/12/2002 / 3/12/2002
Tetrachloroethene	<3.1	ug/l	3.1	9.9	10		8260	445134030	3/12/2002 / 3/12/2002
Toluene	<2.9	ug/l	2.9	9.2	10		8260	445134030	3/12/2002 / 3/12/2002
trans-1,2-Dichloroethene	13	ug/l	2.5	8.0	10		8260	445134030	3/12/2002 / 3/12/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	<2.6	ug/l	2.6	8.3	10		8260	445134030	3/12/2002 / 3/12/2002
Trichloroethene	330	ug/l	3.4	11	10		8260	445134030	3/12/2002 / 3/12/2002
Trichlorofluoromethane	<2.4	ug/l	2.4	7.6	10		8260	445134030	3/12/2002 / 3/12/2002
Vinyl chloride	<2.0	ug/l	2.0	6.4	10		8260	445134030	3/12/2002 / 3/12/2002

Sample Number: 27770 QC Prep Batch Number: 1000103 Collection: 3/6/2002 Time: 07:00
Client ID: 020306WA04Q Sample Description:

1,1,1,2-Tetrachloroethane	<1.1	ug/l	1.1	3.5	5		8260	445134030	3/12/2002 / 3/14/2002
1,1,1-Trichloroethane	16	ug/l	1.6	4.9	5		8260	445134030	3/12/2002 / 3/14/2002
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	445134030	3/12/2002 / 3/14/2002
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethane	4.8	ug/l	1.6	5.1	5	J	8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethene	<1.7	ug/l	1.7	5.4	5		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trimethylbenzene	<1.5	ug/l	1.5	4.8	5		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	445134030	3/12/2002 / 3/14/2002
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	445134030	3/12/2002 / 3/14/2002
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	445134030	3/12/2002 / 3/14/2002
12Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	445134030	3/12/2002 / 3/14/2002
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	445134030	3/12/2002 / 3/14/2002
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	445134030	3/12/2002 / 3/14/2002
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	445134030	3/12/2002 / 3/14/2002
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	445134030	3/12/2002 / 3/14/2002
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	445134030	3/12/2002 / 3/14/2002
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	445134030	3/12/2002 / 3/14/2002
Acetone	<7.8	ug/l	7.8	25	5		8260	445134030	3/12/2002 / 3/14/2002
Benzene	<1.4	ug/l	1.4	4.3	5		8260	445134030	3/12/2002 / 3/14/2002
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	445134030	3/12/2002 / 3/14/2002
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	445134030	3/12/2002 / 3/14/2002
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	445134030	3/12/2002 / 3/14/2002
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	445134030	3/12/2002 / 3/14/2002
Bromomethane	<3.3	ug/l	3.3	10	5		8260	445134030	3/12/2002 / 3/14/2002
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	445134030	3/12/2002 / 3/14/2002
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	445134030	3/12/2002 / 3/14/2002
Chloroethane	<3.2	ug/l	3.2	10	5		8260	445134030	3/12/2002 / 3/14/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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	445134030	3/12/2002 / 3/14/2002
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	445134030	3/12/2002 / 3/14/2002
cis-1,2-Dichloroethene	9.3	ug/l	1.4	4.3	5		8260	445134030	3/12/2002 / 3/14/2002
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	445134030	3/12/2002 / 3/14/2002
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	445134030	3/12/2002 / 3/14/2002
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	445134030	3/12/2002 / 3/14/2002
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	445134030	3/12/2002 / 3/14/2002
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	445134030	3/12/2002 / 3/14/2002
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	445134030	3/12/2002 / 3/14/2002
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	445134030	3/12/2002 / 3/14/2002
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	445134030	3/12/2002 / 3/14/2002
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	445134030	3/12/2002 / 3/14/2002
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	445134030	3/12/2002 / 3/14/2002
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	445134030	3/12/2002 / 3/14/2002
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	445134030	3/12/2002 / 3/14/2002
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	445134030	3/12/2002 / 3/14/2002
Naphthalene	<3.8	ug/l	3.8	12	5		8260	445134030	3/12/2002 / 3/14/2002
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	445134030	3/12/2002 / 3/14/2002
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	445134030	3/12/2002 / 3/14/2002
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	445134030	3/12/2002 / 3/14/2002
Styrene	<1.3	ug/l	1.3	4.0	5		8260	445134030	3/12/2002 / 3/14/2002
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	445134030	3/12/2002 / 3/14/2002
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	445134030	3/12/2002 / 3/14/2002
Toluene	<1.5	ug/l	1.5	4.6	5		8260	445134030	3/12/2002 / 3/14/2002
trans-1,2-Dichloroethene	2.1	ug/l	1.3	4.0	5	J	8260	445134030	3/12/2002 / 3/14/2002
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	445134030	3/12/2002 / 3/14/2002
Trichloroethene	74	ug/l	1.7	5.4	5		8260	445134030	3/12/2002 / 3/14/2002
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	445134030	3/12/2002 / 3/14/2002
Vinyl chloride	<1.0	ug/l	1.0	3.2	5		8260	445134030	3/12/2002 / 3/14/2002

Sample Number: 27772
Client ID: 020306WA08P

QC Prep Batch Number: 1000103

Collection: 3/6/2002 Time: 07:15
Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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	445134030	3/12/2002 / 3/14/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/12/2002 / 3/14/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/12/2002 / 3/14/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/12/2002 / 3/14/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/12/2002 / 3/14/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/12/2002 / 3/14/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/12/2002 / 3/14/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/12/2002 / 3/14/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/12/2002 / 3/14/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/12/2002 / 3/14/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/12/2002 / 3/14/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/12/2002 / 3/14/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/12/2002 / 3/14/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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	445134030	3/12/2002 / 3/14/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/12/2002 / 3/14/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/12/2002 / 3/14/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/12/2002 / 3/14/2002

Sample Number: 27773 QC Prep Batch Number: 1000103 Collection: 3/6/2002 Time: 07:20
Client ID: 020306WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/12/2002 / 3/14/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/12/2002 / 3/14/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/12/2002 / 3/14/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/12/2002 / 3/14/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/12/2002 / 3/14/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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	445134030	3/12/2002 / 3/14/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/12/2002 / 3/14/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/12/2002 / 3/14/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/12/2002 / 3/14/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/12/2002 / 3/14/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/12/2002 / 3/14/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/12/2002 / 3/14/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/12/2002 / 3/14/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/12/2002 / 3/14/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/12/2002 / 3/14/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/12/2002 / 3/14/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/12/2002 / 3/14/2002

Sample Number: 27776
Client ID: TRIP BLANK

QC Prep Batch Number: 1000103

Collection: 3/6/2002 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	445134030	3/12/2002 / 3/14/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	445134030	3/12/2002 / 3/14/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	445134030	3/12/2002 / 3/14/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	445134030	3/12/2002 / 3/14/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	445134030	3/12/2002 / 3/14/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	445134030	3/12/2002 / 3/14/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	445134030	3/12/2002 / 3/14/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	445134030	3/12/2002 / 3/14/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	445134030	3/12/2002 / 3/14/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	445134030	3/12/2002 / 3/14/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	445134030	3/12/2002 / 3/14/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	445134030	3/12/2002 / 3/14/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	445134030	3/12/2002 / 3/14/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	445134030	3/12/2002 / 3/14/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	445134030	3/12/2002 / 3/14/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	445134030	3/12/2002 / 3/14/2002

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

WDNR# 241340550

BATCH NUMBER: **20020162**
DATE REPORTED: 19-Mar-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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	445134030	3/12/2002 / 3/14/2002
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	445134030	3/12/2002 / 3/14/2002
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	445134030	3/12/2002 / 3/14/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	445134030	3/12/2002 / 3/14/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	445134030	3/12/2002 / 3/14/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	445134030	3/12/2002 / 3/14/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	445134030	3/12/2002 / 3/14/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	445134030	3/12/2002 / 3/14/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	445134030	3/12/2002 / 3/14/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	445134030	3/12/2002 / 3/14/2002

Approved By: _____ **Date:** 3/19/02
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 20020162
DATE REPORTED: 09-Apr-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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

Sample Number: 27766 Matrix: GW
Client ID: **020306WA05P**
Collection: 3/6/2002 Time: 07:05
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	ez	3/11/2002	*1000034*	
Cadmium - Furnace AA	<0.4	ug/l		0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	3/11/2002	*1000034*	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	3/11/2002	*1000034*	
Iron - ICAP	1.3	mg/l	RJ	0.081	0.26	200.7	ez	3/11/2002	*1000034*	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	0.14	mg/l	RJ	0.006	0.02	200.7	ez	3/11/2002	*1000034*	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	
Nickel - ICAP	0.02	mg/l	*J* RJ	0.011	0.03	200.7	ez	3/11/2002	*1000034*	
Selenium - Furnace AA	<4.8	ug/l		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	3/11/2002	*1000034*	
Thallium - Furnace AA	<1.3	ug/l		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	0.02	mg/l	*J* RJ	0.014	0.04	200.7	ez	3/11/2002	*1000034*	
pH (water)	7.6	s.u.	#			150.1	mk	3/8/2002	*1000011*	

Sample Number: 27767 Matrix: GW
Client ID: **020306WA07P**
Collection: 3/6/2002 Time: 07:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	ez	3/11/2002	*1000034*	
Cadmium - Furnace AA	<0.4	ug/l		0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	3/11/2002	*1000034*	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	3/11/2002	*1000034*	
Iron - ICAP	1.7	mg/l	RJ	0.081	0.26	200.7	ez	3/11/2002	*1000034*	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	0.14	mg/l	RJ	0.006	0.02	200.7	ez	3/11/2002	*1000034*	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	
Nickel - ICAP	0.02	mg/l	*J* RJ	0.011	0.03	200.7	ez	3/11/2002	*1000034*	
Selenium - Furnace AA	<4.8	ug/l		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	3/11/2002	*1000034*	
Thallium - Furnace AA	<1.3	ug/l		1.3	4.1	279.2	lu	3/20/2002	*1000154*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20020162**
DATE REPORTED: 09-Apr-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Zinc - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	ez	3/11/2002	*1000034*	

Sample Number: 27768 Matrix: GW
Client ID: **020306WA01P**
Collection: 3/6/2002 Time: 07:30
Sample Description:

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/11/2002	*1000034*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	3/11/2002	*1000034*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/11/2002	*1000034*	
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	3/11/2002	*1000034*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**0.12**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/11/2002	*1000034*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	3/11/2002	*1000034*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	3/11/2002	*1000034*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	3/11/2002	*1000034*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	3/15/2002	*1000076*	
COD. Total	**8.4**	**mg/l**	*J* **RJ**	3.4	11	410.4-CT	ta	3/7/2002	*1000075*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	mk	3/14/2002	*1000073*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	mk	3/15/2002	*1000070*	
pH (water)	**7.1**	**s.u.**	**#**			150.1	mk	3/8/2002	*1000011*	

Sample Number: 27769 Matrix: GW
Client ID: **020306WA01Q**
Collection: 3/6/2002 Time: 07:30
Sample Description:

Nickel - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	3/11/2002	*1000034*	
pH (water)	**7.2**	**s.u.**	**#**			150.1	mk	3/8/2002	*1000011*	
Solids, Total Suspended	**<0.5**	**mg/l**		1	3.2	SM 2540D	mk	3/15/2002	*1000052*	

Sample Number: 27770 Matrix: GW
Client ID: **020306WA04Q**
Collection: 3/6/2002 Time: 07:00
Sample Description:

Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	3/11/2002	*1000034*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020162**
DATE REPORTED: 09-Apr-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	mk	3/15/2002	*1000070*	
pH (water)	**7.6**	**s.u.**	#			150.1	mk	3/8/2002	*1000011*	
Solids, Total Suspended	**2**	**mg/l**	*J*	1	3.2	SM 2540D	mk	3/15/2002	*1000052*	
Sample Number: 27771		Matrix: GW						Collection: 3/6/2002		Time: 07:10
Client ID: **020306WA07Q**								Sample Description:		
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	3/11/2002	*1000034*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	mk	3/15/2002	*1000070*	
pH (water)	**8**	**s.u.**	#			150.1	mk	3/8/2002	*1000011*	
Solids, Total Suspended	**<0.5**	**mg/l**		1	3.2	SM 2540D	mk	3/15/2002	*1000052*	
Sample Number: 27773		Matrix: GW						Collection: 3/6/2002		Time: 07:20
Client ID: **020306WA09P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	3/15/2002	*1000076*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	mk	3/14/2002	*1000073*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	mk	3/15/2002	*1000070*	
pH (water)	**7.6**	**s.u.**	#			150.1	mk	3/8/2002	*1000011*	
Sample Number: 27774		Matrix: GW						Collection: 3/6/2002		Time: 07:20
Client ID: **020306WA09Q**								Sample Description:		
pH (water)	**7.7**	**s.u.**	#			150.1	mk	3/8/2002	*1000011*	
Sample Number: 27775		Matrix: GW						Collection: 3/6/2002		Time: 08:23
Client ID: **020306WA09R**								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	tm	3/9/2002	*1000019*	
Barium - ICAP	**0.09**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	3/11/2002	*1000034*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		0.4	1.3	213.2	lu	3/19/2002	*1000145*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	3/11/2002	*1000034*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/11/2002	*1000034*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	3/11/2002	*1000034*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	3/10/2002	*1000074*	
Manganese - ICAP	**0.15**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	3/11/2002	*1000034*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	tm	3/10/2002	*1000021*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020162
DATE REPORTED: 09-Apr-02
DATE RECEIVED: 08-Mar-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #7
PROJECT NAME: PILOT TEST

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	3/11/2002	*1000034*	
Selenium - Furnace AA	**<4.8**	**ug/l**		4.8	15	270.2	lu	3/27/2002	*1000255*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	3/11/2002	*1000034*	
Thallium - Furnace AA	**<1.3**	**ug/l**		1.3	4.1	279.2	lu	3/20/2002	*1000154*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	3/11/2002	*1000034*	
COD. Total	**<0.34**	**mg/l**		3.4	11	410.4-CT	ta	3/7/2002	*1000075*	
Nitrate + Nitrite Nitrogen	**0.4**	**mg/l**	**RJ**	0.03	0.10	353.3	ta	3/7/2002	*1000078*	
Nitrogen, Ammonia	**0.61**	**mg/l**	**RJ**	0.1	0.32	350.1	ta	3/11/2002	*1000077*	
Phosphorus, Total	**<0.1**	**mg/l**	**RJ**	0.1	0.32	365.2	ta	3/13/2002	*1000079*	
Solids, Total Suspended	**8**	**mg/l**		1	3.2	SM 2540D	mk	3/15/2002	*1000052*	

Sample Number: 27777 Matrix: GW
Client ID: **020306WA04P**
Collection: 3/6/2002 Time: 07:00
Sample Description:

Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	mk	3/14/2002	*1000073*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	mk	3/15/2002	*1000070*	

Approved By: _____ **Date:** 4,9,02
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.