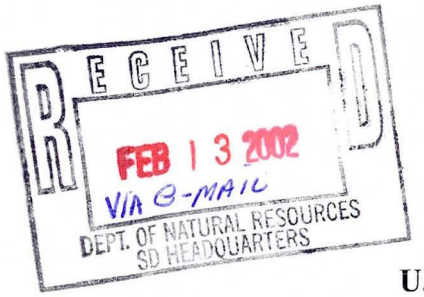
MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY



ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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

February 15, 2002

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for January, 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. All sampling and analyses were conducted in accordance with the Oconomowoc Electroplating Groundwater Treatment System's Chemical Data Acquisition Plan (CDAP). The parameters tested for, frequency of testing, sample type, and limits are set forth in the Final Discharge Limits, Table 1 of the Oconomowoc Electroplating Superfund Site Limits and Requirements for Discharge of Treated Groundwater, issued by the Wisconsin Department of Natural Resources (WDNR) on September 24, 1996. This report is submitted in accordance with the reporting requirements of the WDNR permit.

1.1 Site Background Review

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

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

1.2 Project Objectives

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

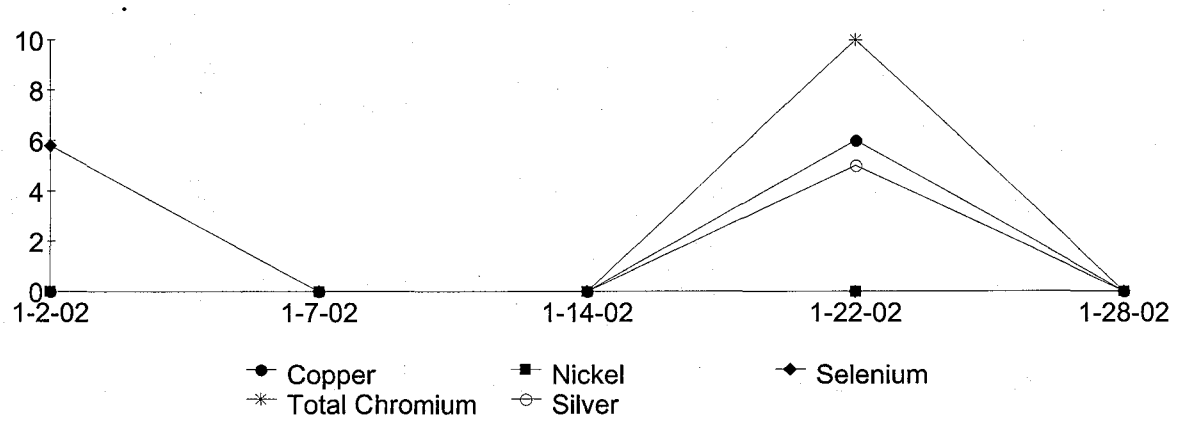
1.3 Effluent Monitoring

Weekly monitoring was conducted on January 2, 7, 14, 22, and 28. The weekly samples for January were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in January showed no exceedences of the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

There were no plant permit exceedences during the month of January of 2002.

3.0 Treatment Plant Shut Downs

The Treatment Plant was three shut down times for a total of 1.67 hours in January, 2002. The shut downs were due to Scheduled Maintenance and to Operator Error. Table 1 shows the summary of the plant down times for the month of January, 2002.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
1-11-02	0.75	Shut Down to Clean RMT-301 & FT-311
1-18-02	0.5	Shut Down to Clean RMT-301 & FT-311
1-19-02	0.42	Shut Down Due to Operator Error
TOTAL	**1.67**	

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

On January 11, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-121). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer were cleaned in RMT-301 and the walls, mixer, and floor were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-121 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 0.75 hours. APL Inc., WDNR, and USACE were notified.

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

On January 18, the treatment plant was shut down to prepare for the shutting down of the Metals Package for the EPA's Pilot Study. The shut down was to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-121). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer were cleaned in RMT-301 and the walls, mixer, and floor were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-121 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 0.5 hours. APL Inc., WDNR, and USACE were notified.

3.3 Shut Down Due to Operator Error

On January 19, the week end operator accidentally shut down the Treatment System Feed Pump (TFP-111) while taking readings during the filling in of the Daily Log Report. The mistake was not detected for 25 minutes. TFP-111 needed a lockout reset procedure conducted and the treatment plant returned to normal operating parameters. Total down time was 0.42 hours. APL Inc., WDNR, and USACE were notified on January 24 after the supervisor had discussed it with the operator on duty.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 4 times during the month of January 2002. It was filled and emptied on January 7, 15, and twice on January 21. The dewatered sludge is sampled 1 time during per year after the first opening of the press into the new hopper. We have 90 days after the first opening of the press and dumping into the new hopper to have it removed from the site. The sludge was sampled on January 22, 2001. A new hopper was set up on December 3, 2001. The first filter press load of dewatered sludge that was added to the new hopper occurred on December 7. The dewatered sludge hopper removal date is March 7, 2002. There are 13 filter press loads of dewatered sludge in the hopper at the end of January, 2002.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on January 2, 7, 14, 22, and 28 of 2002. The laboratory results of these samples show that all contaminants listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of January, 2002, the plant was shut down three times for a total of 1.67 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 February 15, 2002.

The Filter Press was filled and emptied 4 times during the month of January, 2002. A new hopper was set up on December 3, 2001. The hopper has 13 Filter Press fillings in it at the end of January, 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 Rapid Mix Tank (RMT-301) to kill off the Iron Bacteria that was seen throughout the treatment system. The January 22 and 28 sampling results, also, include the first 2 sampling periods that were performed for the Pilot Study. Several bacterial testing was conducted to confirm that Iron Bacteria was present and that the Sodium Hypochlorite was killing it off (*the results are included with this report*).

On January 3, the state's Priority Pollutant sampling was conducted. Only a partial of the analyses was returned at the time of this report and is included.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-02-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.6	N/A	N/A	7.6	Monitor	
TSS	<1	NT	NT	NT	<1	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	10	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2/<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	170	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	5.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	20	NT	NT	NT	<14	Monitor	
Cyanide	20	NT	NT	NT	<6/<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6/<6	Monitor	
1,1-Dichloroethane	21	NT	<0.32	<0.32	<0.32/<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35/<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34/<0.34	0.7	
1,2-Dichloroethene Cis	41	NT	<0.27	<0.27	<0.27/<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	<0.25	<0.25/<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25/<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3/<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31/<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29/<0.29	68	
1,1,1-Trichloroethane	116	NT	<0.31	<0.31	<0.31/<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44/<0.44	0.5	
TCE	378	NT	<0.34	<0.34	<0.34/<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2/<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53/<0.53	124	
COD	11	NT	NT	NT	<3.8	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.5	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.18	Monitor	mg/l

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

Effluent Grab Samples were duplicated.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-07-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11.6	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	<7	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	10	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	12	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	5.2	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	19	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	4.2	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	110	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	273	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-07-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11.6	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	<7	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	10	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	12	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	5.2	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	19	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	4.2	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	110	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	273	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-14-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.5	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	10	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	7	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	9.9	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	6.5	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	11	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	90	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	441	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: Jan. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	6,403,811.00	37,047.00	0.037	
2	6,440,858.00	28,263.00	0.028	
3	6,469,121.00	28,026.00	0.028	
4	6,497,147.00	18,763.00	0.019	
5	6,515,910.00	28,851.00	0.029	
6	6,544,761.00	35,239.00	0.035	
7	6,580,000.00	24,348.00	0.024	
8	6,604,348.00	35,652.00	0.036	SHUT DOWN
9	6,640,000.00	35,412.00	0.035	SHUT DOWN
10	6,675,412.00	35,882.00	0.036	
11	6,711,294.00	24,175.00	0.024	
12	6,735,469.00	36,852.00	0.037	
13	6,772,321.00	46,044.00	0.046	
14	6,818,365.00	40,774.00	0.041	
15	6,859,139.00	31,209.00	0.031	
16	6,890,348.00	30,290.00	0.030	
17	6,920,638.00	13,439.00	0.013	SHUT DOWN
18	6,934,077.00	24,266.00	0.024	SHUT DOWN
19	6,958,343.00	36,267.00	0.036	
20	6,994,610.00	46,660.00	0.047	
21	7,041,270.00	34,258.00	0.034	
22	7,075,528.00	34,943.00	0.035	
23	7,110,471.00	34,287.00	0.034	
24	7,144,758.00	34,514.00	0.035	
25	7,179,272.00	21,979.00	0.022	
26	7,201,251.00	34,134.00	0.034	
27	7,235,385.00	48,932.00	0.049	
28	7,284,317.00	32,307.00	0.032	
29	7,316,624.00	34,059.00	0.034	
30	7,350,683.00	31,516.00	0.032	
31	7,382,199.00	33,796.00	0.034	
February 01	7,415,995.00			
		TOTAL	1.011	
		AVERAGE	0.033	

FLOW FROM EQT-100

YEAR: 2002				
MONTH: Jan. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	6,602,650.00	48,227.00	0.048	
2	6,650,877.00	35,851.00	0.036	
3	6,686,728.00	36,481.00	0.036	
4	6,723,209.00	25,206.00	0.025	
5	6,748,415.00	38,305.00	0.038	
6	6,786,720.00	46,792.00	0.047	
7	6,833,512.00	35,936.00	0.036	
8	6,869,448.00	40,231.00	0.040	
9	6,909,679.00	41,818.00	0.042	
10	6,951,497.00	44,432.00	0.044	
11	6,995,929.00	31,400.00	0.031	SHUT DOWN
12	7,027,329.00	47,373.00	0.047	
13	7,074,702.00	56,832.00	0.057	
14	7,131,534.00	46,375.00	0.046	
15	7,177,909.00	38,404.00	0.038	
16	7,216,313.00	44,115.00	0.044	
17	7,260,428.00	47,576.00	0.048	LOSED LOOP
18	7,308,004.00	27,302.00	0.027	SHUT DOWN
19	7,335,306.00	41,530.00	0.042	SHUT DOWN
20	7,376,836.00	49,207.00	0.049	
21	7,426,043.00	36,143.00	0.036	
22	7,462,186.00	38,071.00	0.038	
23	7,500,257.00	38,154.00	0.038	
24	7,538,411.00	38,352.00	0.038	
25	7,576,763.00	24,429.00	0.024	
26	7,601,192.00	38,056.00	0.038	
27	7,639,248.00	54,492.00	0.054	
28	7,693,740.00	35,962.00	0.036	
29	7,729,702.00	38,087.00	0.038	
30	7,767,789.00	34,936.00	0.035	
31	7,802,725.00	39,224.00	0.039	
February 01	7,841,949.00			
		TOTAL	1.235	
		AVERAGE	0.040	

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: Jan. DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	836,148.00	37,427.50	0.037	
2	873,575.50	28,249.80	0.028	
3	901,825.30	28,158.60	0.028	
4	929,983.90	18,728.00	0.019	
5	948,711.90	28,629.60	0.029	
6	977,341.50	35,743.60	0.036	
7	1,013,085.10	24,465.60	0.024	
8	1,037,550.70	35,754.10	0.036	SHUT DOWN
9	1,073,304.80	35,506.30	0.036	SHUT DOWN
10	1,108,811.10	36,014.30	0.036	
11	1,144,825.40	23,859.80	0.024	
12	1,168,685.20	37,270.40	0.037	
13	1,205,955.60	46,287.30	0.046	
14	1,252,242.90	40,911.30	0.041	
15	1,293,154.20	31,339.30	0.031	
16	1,324,493.50	30,374.70	0.030	
17	1,354,868.20	13,584.70	0.014	SHUT DOWN
18	1,368,452.90	24,234.30	0.024	SHUT DOWN
19	1,392,687.20	36,618.80	0.037	
20	1,429,306.80	46,575.30	0.047	
21	1,475,881.10	34,322.00	0.034	
22	1,510,203.10	35,042.60	0.035	
23	1,545,245.70	34,356.40	0.034	
24	1,579,602.10	34,636.80	0.035	
25	1,614,238.90	22,035.40	0.022	
26	1,636,274.30	33,237.90	0.033	
27	1,669,512.20	50,126.90	0.050	
28	1,719,639.10	32,343.20	0.032	
29	1,751,982.30	34,175.30	0.034	
30	1,786,157.60	31,577.90	0.032	
31	1,817,735.50	33,901.60	0.034	
February 01	1,851,637.10			
		TOTAL	1.015	
		AVERAGE	0.033	

FLOW FROM EQT-100

YEAR: 2002				
MONTH: Jan. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	6,884,134.50	48,848.10	0.049	
2	6,932,982.60	35,852.20	0.036	
3	6,968,834.80	36,659.30	0.037	
4	7,005,494.10	24,869.00	0.025	
5	7,030,363.10	38,000.90	0.038	
6	7,068,364.00	47,570.40	0.048	
7	7,115,934.40	36,032.70	0.036	
8	7,151,967.10	40,335.80	0.040	
9	7,192,302.90	41,944.20	0.042	
10	7,234,247.10	44,497.00	0.044	
11	7,278,744.10	30,801.50	0.031	SHUT DOWN
12	7,309,545.60	47,853.00	0.048	
13	7,357,398.60	57,194.30	0.057	
14	7,414,592.90	46,529.90	0.047	
15	7,461,122.80	38,554.00	0.039	
16	7,499,676.80	44,260.70	0.044	
17	7,543,937.50	47,514.00	0.048	CLOSED LOOP
18	7,591,451.50	27,284.20	0.027	SHUT DOWN
19	7,618,735.70	41,241.60	0.041	SHUT DOWN
20	7,659,977.30	49,797.20	0.050	
21	7,709,774.50	36,242.00	0.036	
22	7,746,016.50	38,195.60	0.038	
23	7,784,212.10	38,153.50	0.038	
24	7,822,365.60	38,458.50	0.038	
25	7,860,824.10	24,484.20	0.024	
26	7,885,308.30	36,914.50	0.037	
27	7,922,222.80	55,879.30	0.056	
28	7,978,102.10	36,011.00	0.036	
29	8,014,113.10	38,194.40	0.038	
30	8,052,307.50	35,023.60	0.035	
31	8,087,331.10	39,350.30	0.039	
February 01	8,126,681.40			
		TOTAL	1.242	
		AVERAGE	0.040	

EFFLUENT FLOW FROM PLANT

YEAR: 2002				
MONTH: Jan. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	9,115,674.00	38,645.00	0.039	
2	9,154,319.00	27,518.00	0.028	
3	9,181,837.00	29,372.00	0.029	
4	9,211,209.00	21,677.00	0.022	
5	9,232,886.00	30,168.00	0.030	
6	9,263,055.00	35,929.00	0.036	
7	9,298,984.00	28,886.00	0.029	
8	9,327,870.00	31,884.00	0.032	
9	9,359,754.00	33,541.00	0.034	
10	9,393,295.00	36,080.00	0.036	
11	9,429,375.00	28,932.00	0.029	SHUT DOWN
12	9,458,307.00	40,169.00	0.040	
13	9,498,476.00	46,958.00	0.047	
14	9,545,434.00	39,958.00	0.040	
15	9,585,392.00	31,461.00	0.031	
16	9,616,853.00	36,209.00	0.036	
17	9,653,062.00	12,588.00	0.013	SHUT DOWN
18	9,665,650.00	26,506.00	0.027	SHUT DOWN
19	9,692,156.00	39,267.00	0.039	SHUT DOWN
20	9,731,423.00	47,082.00	0.047	
21	9,778,505.00	31,940.00	0.032	
22	9,810,445.00	35,044.00	0.035	
23	9,845,489.00	37,045.00	0.037	
24	9,882,534.00	34,710.00	0.035	
25	9,917,244.00	22,238.00	0.022	
26	9,939,482.00	37,547.00	0.038	
27	9,977,029.00	49,194.10	0.049	
28	10,026,223.10	33,003.38	0.033	
29	10,059,226.48	35,274.41	0.035	
30	10,094,500.89	31,068.41	0.031	
31	10,125,569.30	35,807.30	0.036	
February 01	10,161,376.60			
			1.047	
			0.034	

PRECIPITATION

YEAR: 2002	
MONTH: JAN. DAY	RAINFALL (INCHES)
1	0.00
2	0.00
3	0.00
4	0.00
5	0.00
6	0.00
7	0.00
8	0.00
9	0.00
10	0.00
11	0.00
12	0.00
13	0.00
14	0.15
15	0.25
16	0.00
17	0.30
18	0.00
19	0.00
20	0.00
21	0.00
22	0.00
23	0.00
24	0.00
25	0.00
26	0.00
27	0.00
28	0.00
29	0.00
30	0.00
31	0.10
TOTAL	0.80

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-22-02	
Parameter	Influent	After FT-311	After Air Stripper	After Bag Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	7.6	8.1	N/A	7.7	Monitor	
TSS	<1	<1	<1	NT	<1	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	100	NT	NT	NT	70	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	8	NT	NT	NT	10	10	
Copper	<6	NT	NT	NT	6	Monitor	
Iron	840	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	140	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30/20	10	20	NT	<11/<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	5	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	20	Monitor	
Cyanide	<6/<6	<6	<6	NT	<6/<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	8.8/7.3	4.1	<0.32/<0.32	<0.32	<0.32/<0.32	85	
1,2-Dichloroethane	<1.8/<1.4	<0.7	<0.35/<0.35	<0.35	<0.35/<0.35	0.5	
1,1-Dichloroethene	<1.7/<1.4	<0.68	<0.34/<0.34	<0.34	<0.34/<0.34	0.7	
1,2-Dichloroethene Cis	39/44	18	<0.27/<0.27	<0.27	<0.27/<0.27	7	
1,2-Dichloroethene Trans	8.1/3	1.8	<0.25/<0.25	<0.25	<0.25/<0.25	20	
Ethylbenzene	<1.3/<1	<0.5	<0.25/<0.25	<0.25	<0.25/<0.25	140	
Methylene Chloride	<1.5/<1.2	<0.6	<0.3/<0.3	<0.3	<0.3/<0.3	0.5	
Tetrachloroethene	<1.6/3	<0.62	<0.31/<0.31	<0.31	<0.31/<0.31	0.5	
Toluene	<1.5/<1.2	<0.58	<0.29/<0.29	<0.29	<0.29/<0.29	68	
1,1,1-Trichloroethane	82/71	20	<0.31/<0.31	<0.31	<0.31/<0.31	40	
1,1,2-Trichloroethane	<2.2/<1.8	<0.88	<0.44/<0.44	<0.44	<0.44/<0.44	0.5	
TCE	332/227	91	<0.34/<0.34	<0.34	<0.34/<0.34	0.5	
Vinyl Chloride	<1/<0.8	<0.4	<0.2/<0.2	<0.2	<0.2/<0.2	0.2	
Xylene Total	<2.7/<2.1	<1.1	<0.53/<0.53	<0.53	<0.53/<0.53	124	
COD	12	NT	NT	NT	8.4	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.6	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.18	Monitor	mg/l

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

Start of Pilot Test.
Second numbers are Pilot Test results from initial 24 hour turn around analyses.

PILOT STUDY-WEEK #2

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-28-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	7.4	8.1	N/A	7.9	Monitor	
TSS	<1	<1	<1	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	90	NT	NT	NT	80	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	900	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	130	NT	NT	NT	<8	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20/30	<11	<11	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	<6/<6	<6	<6	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	7	<0.64	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	<0.7	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	<0.68	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	50	<0.54	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	<0.5	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	<0.5	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	<0.6	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	4.1	<0.62	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	<0.58	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	76	19	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	<0.88	<0.44	<0.44	<0.44	0.5	
TCE	283	98	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	<0.4	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	<1.1	<0.53	<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.

Second numbers are Pilot Study results.

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		1-23/31-02
DAYS	INFLUENT	AFTER SODIUM HYPOCHLORITE ADDED
1	YELLOW	YELLOW
2	YELLOW W/BUBBLES	LIGHT YELLOW
3	DARK YELLOW	LIGHT YELLOW
4	LIGHT GREEN W/BUBBLES	DARK YELLOW
5	DARK GREEN W/BROWN BUBBLES	DARK YELLOW W/BROWN FOAM
6	DARK GREEN W/BROWN BUBBLES	DARK YELLOW W/BROWN FOAM
7	BLACK	DARK YELLOW W/BROWN FOAM
8	BLACK	DARK YELLOW W/BROWN FOAM

FOAM/BUBBLES=ANAEROBIC BACTERIA. IRON BACTERIA.
GREEN=PSEUDOMONADS.
BLACK=PSEUDOMONADS AND ENTERICS.

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		1-30/2-7-02
DAYS	AFTER SODIUM HYPOCHLORITE ADDED	
1	LIGHT YELLOW	
2	LIGHT YELLOW	
3	DARKER YELLOW	
4	DARKER YELLOW	
5	DARKER YELLOW	
6	DARKER YELLOW	
7	DARKER YELLOW	
8	DARKER YELLOW	

YELLOW=NEGATIVE

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
January 4, 2002	4.72	4.27	5.64	4.07	10.11	3.39

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	9.20	7.81

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEV	FEET			
DATE	MW07P	MW08P	MW09SP			
January 04, 2002	DRY	4.21	6.32			

WEEK # 1

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-22&24-02	
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	7.1/6.9	7.6/7.4	8.1/8.1	N/A	7.8/7.9	Monitor	
TSS	<1/<1	<1/<1	<1/<1	NT	<1/<1	Monitor	mg/l
Arsenic	NT	NT	NT	NT	NT	5	
Barium	NT	NT	NT	NT	NT	400	
Cadmium	NT	NT	NT	NT	NT	0.5	
Cadmium Total Recoverable	NT	NT	NT	NT	NT	Monitor	
Chromium +6	NT	NT	NT	NT	NT	Monitor	
Chromium Total	NT	NT	NT	NT	NT	10	
Copper	NT	NT	NT	NT	NT	Monitor	
Iron	NT	NT	NT	NT	NT	Monitor	
Lead	NT	NT	NT	NT	NT	1.5	
Manganese	NT	NT	NT	NT	NT	Monitor	
Mercury	NT	NT	NT	NT	NT	0.2	
Nickel	22/10	11/20	19	NT	<11/<11	20	
Selenium	NT	NT	NT	NT	NT	10	
Silver	NT	NT	NT	NT	NT	10	
Thallium	NT	NT	NT	NT	NT	0.4	
Zinc	NT	NT	NT	NT	NT	Monitor	
Cyanide	<6/<6	<6/<6	<6/<6	NT	<6/<6	40	
Cyanide Amenable	NT	NT	NT	NT	NT	Monitor	
1,1-Dichloroethane	7.3/8.5	4.1/4.6	0.32/<0.3	<0.32/<0.32	<0.32/<0.32	85	
1,2-Dichloroethane	<1.4/<1.4	<0.7/<0.35	0.35/<0.3	<0.35/<0.35	<0.35/<0.35	0.5	
1,1-Dichloroethene	<1.4/<1.4	<0.68/<0.34	0.34/<0.3	<0.34/<0.34	<0.34/<0.34	0.7	
1,2-Dichloroethene Cis	44/51	18/20	0.27/<0.2	<0.27/<0.27	<0.27/<0.27	7	
1,2-Dichloroethene Trans	8.4/11	1.8/2.2	0.25/<0.2	<0.25/<0.25	<0.25/<0.25	20	
Ethylbenzene	<1/<1	<0.5/<0.25	0.25/<0.2	<0.25/<0.25	<0.25/<0.25	140	
Methylene Chloride	<1.2/<1.2	<0.6/<0.3	<0.3/<0.3	<0.3/<0.3	<0.3/<0.3	0.5	
Tetrachloroethene	3/4.4	<0.62/0.79	0.31/<0.3	<0.31/<0.31	<0.31/<0.31	0.5	
Toluene	<1.2/<1.2	<0.58/<0.29	0.29/<0.2	<0.29/<0.29	<0.29/<0.29	68	
1,1,1-Trichloroethane	71/81	20/22	0.31/<0.3	<0.31/<0.31	<0.31/<0.31	40	
1,1,2-Trichloroethane	<1.8/<1.8	<0.88/<0.44	0.44/<0.4	<0.44/<0.44	<0.44/<0.44	0.5	
TCE	227/352	91/117	<0.34/0.46	<0.34/<0.34	<0.34/<0.34	0.5	
Vinyl Chloride	<0.8/<0.8	<0.4/<0.2	<0.2/<0.2	<0.2/<0.2	<0.2/<0.2	0.2	
Xylene Total	<2.1/<2.1	<1.1/<0.53	0.53/<0.5	<0.53/<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.

24 HOUR TURN AROUND EFFLUENT.

First number is 1-22-02 results & second number is 1-24-02 results.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	1-28-02	
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	7	7.4	8.1	N/A	7.9	Monitor	
TSS	<1	<1	<1	NT	NT	Monitor	mg/l
Arsenic	NT	NT	NT	NT	NT	5	
Barium	NT	NT	NT	NT	NT	400	
Cadmium	NT	NT	NT	NT	NT	0.5	
Cadmium Total Recoverable	NT	NT	NT	NT	NT	Monitor	
Chromium +6	NT	NT	NT	NT	NT	Monitor	
Chromium Total	NT	NT	NT	NT	NT	10	
Copper	NT	NT	NT	NT	NT	Monitor	
Iron	NT	NT	NT	NT	NT	Monitor	
Lead	NT	NT	NT	NT	NT	1.5	
Manganese	NT	NT	NT	NT	NT	Monitor	
Mercury	NT	NT	NT	NT	NT	0.2	
Nickel	30	<11	<11	NT	<11	20	
Selenium	NT	NT	NT	NT	NT	10	
Silver	NT	NT	NT	NT	NT	10	
Thallium	NT	NT	NT	NT	NT	0.4	
Zinc	NT	NT	NT	NT	NT	Monitor	
Cyanide	<6	<6	<6	NT	<6	40	
Cyanide Amenable	NT	NT	NT	NT	NT	Monitor	
1,1-Dichloroethane	7	<0.64	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	<0.7	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	<0.68	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	50	<0.54	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	<0.5	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	<0.5	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	<0.6	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	4.1	<0.62	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	<0.58	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	76	19	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	<0.88	<0.44	<0.44	<0.44	0.5	
TCE	283	98	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	<0.4	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	<1.1	<0.53	<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	**Pesticides**		1-03-02
Parameter	Level of Detection	Level of Quantitation	Sample Result (ug/l)
Alpha-BHC	0.00092	0.0031	<0.00086
Lindane	0.001	0.0033	<0.00093
Beta-BHC	0.00066	0.0022	<0.00062
Delta-BHC	0.00093	0.0031	<0.00087
Heptachlor	0.00059	0.002	<0.00055
Aldrin	0.00084	0.0028	<0.00079
Heptachlor Epoxide	0.00089	0.0029	<0.00081
Gamma-Chlordane	0.0015	0.005	<0.0014
Alpha-Chlordane	0.0014	0.0047	<0.0013
4,4'-DDE	0.0034	0.011	<0.0032
Endosulfan I	0.00047	0.0016	<0.00044
Dieldrin	0.0021	0.007	<0.002
Endrin	0.0019	0.0063	<0.0018
4,4'-DDD	0.0012	0.004	<0.0011
Endosulfan II	0.002	0.0067	<0.0019
4,4'-DDT	0.0014	0.0047	<0.0013
Endrin Aldehyde	0.0013	0.0043	<0.0012
Methoxychlor	0.0078	0.026	<0.0073
Endosulfan Sulfate	0.0017	0.0057	<0.0016
Endrin Ketone	0.0012	0.004	<0.0011
Chlordane, Technical	0.035	0.12	<0.033
Toxaphene	0.24	0.8	<0.22
PCB-1016	0.5	1.7	<0.47
PCB-1221	0.5	1.7	<0.47
PCB-1232	0.5	1.7	<0.47
PCB-1242	0.5	1.7	<0.47
PCB-1248	0.5	1.7	<0.47
PCB-1254	0.5	1.7	<0.47
PCB-1260	0.5	1.7	<0.47
TCMX (Surr)			74.90%
DCB (Surr)			91.50%

ug/l = Micrograms per Liter.

Priority Pollutants-Page #1.

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20020003**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 27051 Matrix: GW
Client ID: **020102**
Collection: 1/2/2002 Time: 10:40
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	1/9/2002	*999418*	
Barium - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.007	0.02	200.7	ez	1/9/2002	*999410*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	1/14/2002	*999451*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	1/9/2002	*999410*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/9/2002	*999410*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	1/9/2002	*999410*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	1/7/2002	*999394*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/9/2002	*999410*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	1/4/2002	*999384*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	1/9/2002	*999410*	
Selenium - Furnace AA	**5.8**	**ug/l**	***J*** **RJ**	4.8	15	270.2	bb	1/9/2002	*999397*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	1/9/2002	*999410*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	1/10/2002	*999423*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	1/9/2002	*999410*	
COD. Total	**<3.8**	**mg/l**	**RJ**	3.8	12	410.4-CT	ta	1/9/2002	*999513*	
Nitrate + Nitrite Nitrogen	**1.5**	**mg/l**	**RJ**	0.03	0.10	353.3	ta	1/16/2002	*999465*	
Nitrogen, Ammonia	**0.18**	**mg/l**	***J*** **RJ**	0.1	0.32	350.1	ta	1/15/2002	*999514*	
Phosphorus, Total	**<0.1**	**mg/l**	**RJ**	0.1	0.32	365.2	ta	12/7/2001	*999393*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	lu	1/8/2002	*999415*	

Sample Number: 27052 Matrix: GW
Client ID: **020102**
Collection: 1/2/2002 Time: 10:25
Sample Description: WA01P

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	1/9/2002	*999418*	
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	1/9/2002	*999410*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	1/14/2002	*999451*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	1/9/2002	*999410*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/9/2002	*999410*	
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	1/9/2002	*999410*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	1/7/2002	*999394*	
Manganese - ICAP	**0.17**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/9/2002	*999410*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	1/4/2002	*999384*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20020003**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	1/9/2002	*999410*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	1/9/2002	*999397*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	1/9/2002	*999410*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	1/10/2002	*999423*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	1/9/2002	*999410*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/4/2002	*999512*	
COD. Total	**11**	**mg/l**	***J*** **RJ**	3.8	12	410.4-CT	ta	1/9/2002	*999513*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/14/2002	*999444*	
Cyanide, Total	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/14/2002	*999443*	
pH (water)	**6.9**	**s.u.**	**# RJ**			150.1	bb	1/2/2002	*999342*	*Preliminary Data*
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	lu	1/8/2002	*999415*	

Sample Number: 27053 Matrix: GW
Client ID: **020102**
Collection: 1/2/2002 Time: 10:50
Sample Description: WA02P

pH (water)	**9.5**	**s.u.**	**# RJ**			150.1	bb	1/2/2002	*999342*	*Preliminary Data*

Sample Number: 27054 Matrix: GW
Client ID: **020102**
Collection: 1/2/2002 Time: 10:52
Sample Description: WA03P

pH (water)	**12**	**s.u.**	**# RJ**			150.1	bb	1/2/2002	*999342*	*Preliminary Data*

Sample Number: 27055 Matrix: GW
Client ID: **020102**
Collection: 1/2/2002 Time: 10:52
Sample Description: WA03P

pH (water)	**7.5**	**s.u.**	**# RJ**			150.1	bb	1/2/2002	*999342*	*Preliminary Data*

Sample Number: 27058 Matrix: GW
Client ID: **020102**
Collection: 1/2/2002 Time: 10:36
Sample Description: WA09P

Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/4/2002	*999512*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/14/2002	*999444*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/14/2002	*999443*	
pH (water)	**7.5**	**s.u.**	**# RJ**			150.1	bb	1/2/2002	*999342*	*Preliminary Data*

Sample Number: 27060 Matrix: GW
Client ID: **020102**
Collection: 1/2/2002 Time: 10:36
Sample Description: WA09Q

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020003**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/4/2002	*999512*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/14/2002	*999444*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/14/2002	*999443*	
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1	bb	1/2/2002	*999342*	*Preliminary Data*

Approved By: _____ **Date:** 1/24/02
James Chang, Ph.D., Lab Director

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

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020003**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 27052
Client ID: 020102

QC Prep Batch Number: 999446

Collection: 1/2/2002 Time: 10:25
Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	<1.1	ug/l	1.1	3.5	5		8260	qh	1/8/2002 / 1/8/1902
1,1,1-Trichloroethane	116	ug/l	1.6	4.9	5		8260	qh	1/8/2002 / 1/8/1902
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	1/8/2002 / 1/8/1902
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	1/8/2002 / 1/8/1902
1,1-Dichloroethane	21	ug/l	1.6	5.1	5		8260	qh	1/8/2002 / 1/8/1902
1,1-Dichloroethene	<1.7	ug/l	1.7	5.4	5		8260	qh	1/8/2002 / 1/8/1902
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	qh	1/8/2002 / 1/8/1902
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	qh	1/8/2002 / 1/8/1902
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	qh	1/8/2002 / 1/8/1902
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	qh	1/8/2002 / 1/8/1902
1,2,4-Trimethylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2002 / 1/8/1902
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	qh	1/8/2002 / 1/8/1902
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	1/8/2002 / 1/8/1902
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	qh	1/8/2002 / 1/8/1902
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	qh	1/8/2002 / 1/8/1902
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	1/8/2002 / 1/8/1902
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	1/8/2002 / 1/8/1902
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	1/8/2002 / 1/8/1902
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	1/8/2002 / 1/8/1902
12Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	qh	1/8/2002 / 1/8/1902
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	1/8/2002 / 1/8/1902
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	1/8/2002 / 1/8/1902
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	1/8/2002 / 1/8/1902
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2002 / 1/8/1902
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	1/8/2002 / 1/8/1902
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	1/8/2002 / 1/8/1902
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	1/8/2002 / 1/8/1902
Benzene	<1.4	ug/l	1.4	4.3	5		8260	qh	1/8/2002 / 1/8/1902
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	1/8/2002 / 1/8/1902
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	1/8/2002 / 1/8/1902
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	1/8/2002 / 1/8/1902
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	1/8/2002 / 1/8/1902
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	1/8/2002 / 1/8/1902
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	1/8/2002 / 1/8/1902
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	1/8/2002 / 1/8/1902
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	1/8/2002 / 1/8/1902
Chloroform	<1.2	ug/l	1.2	3.8	5		8260	qh	1/8/2002 / 1/8/1902
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	qh	1/8/2002 / 1/8/1902
cis-1,2-Dichloroethene	41	ug/l	1.4	4.3	5		8260	qh	1/8/2002 / 1/8/1902
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	qh	1/8/2002 / 1/8/1902
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	qh	1/8/2002 / 1/8/1902

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020003**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/8/2002 / 1/8/1902
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/8/2002 / 1/8/1902
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/8/2002 / 1/8/1902
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	1/8/2002 / 1/8/1902
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2002 / 1/8/1902
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/8/2002 / 1/8/1902
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	1/8/2002 / 1/8/1902
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/8/2002 / 1/8/1902
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2002 / 1/8/1902
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/8/2002 / 1/8/1902
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	1/8/2002 / 1/8/1902
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	1/8/2002 / 1/8/1902
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/8/2002 / 1/8/1902
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/8/2002 / 1/8/1902
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/8/2002 / 1/8/1902
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/8/2002 / 1/8/1902
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/8/2002 / 1/8/1902
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/8/2002 / 1/8/1902
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	1/8/2002 / 1/8/1902
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/8/2002 / 1/8/1902
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/8/2002 / 1/8/1902
Trichloroethene	378	ug/l	1.7	5.4	5		8260	qh	1/8/2002 / 1/8/1902
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/8/2002 / 1/8/1902
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	1/8/2002 / 1/8/1902

Sample Number: 27056
Client ID: 020102

QC Prep Batch Number: 999446

Collection: 1/2/2002 Time: 10:32
Sample Description: WA07P

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020003**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020003**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2002 / 1/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2002 / 1/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/8/2002 / 1/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/8/2002 / 1/8/2002

Sample Number: 27057 QC Prep Batch Number: 999446 Collection: 1/2/2002 Time: 10:34
Client ID: 020102 Sample Description: WA08P

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020003
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

Sample Number: 27058
Client ID: 020102

QC Prep Batch Number: 999446

Collection: 1/2/2002 Time: 10:36
Sample Description: WA09P

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020003
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	1/8/2002 / 1/8/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2002 / 1/8/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	1/8/2002 / 1/8/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	1/8/2002 / 1/8/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2002 / 1/8/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2002 / 1/8/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2002 / 1/8/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2002 / 1/8/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2002 / 1/8/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	1/8/2002 / 1/8/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	1/8/2002 / 1/8/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2002 / 1/8/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2002 / 1/8/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	1/8/2002 / 1/8/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	1/8/2002 / 1/8/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2002 / 1/8/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	1/8/2002 / 1/8/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2002 / 1/8/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	1/8/2002 / 1/8/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	1/8/2002 / 1/8/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	1/8/2002 / 1/8/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	1/8/2002 / 1/8/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	1/8/2002 / 1/8/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2002 / 1/8/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	1/8/2002 / 1/8/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2002 / 1/8/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2002 / 1/8/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	1/8/2002 / 1/8/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2002 / 1/8/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2002 / 1/8/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	1/8/2002 / 1/8/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	1/8/2002 / 1/8/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2002 / 1/8/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2002 / 1/8/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2002 / 1/8/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020003**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2002 / 1/8/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2002 / 1/8/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2002 / 1/8/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	1/8/2002 / 1/8/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2002 / 1/8/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2002 / 1/8/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2002 / 1/8/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	1/8/2002 / 1/8/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	1/8/2002 / 1/8/2002

Sample Number: 27059 QC Prep Batch Number: 999446 Collection: 1/2/2002 Time:
Client ID: TRIP BLK Sample Description:

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020003
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

Sample Number: 27060 QC Prep Batch Number: 999446 Collection: 1/2/2002 Time: 10:36
Client ID: 020102 Sample Description: WA09Q

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020003**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/8/2002 / 1/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/8/2002 / 1/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/8/2002 / 1/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/8/2002 / 1/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2002 / 1/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/8/2002 / 1/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2002 / 1/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/8/2002 / 1/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/8/2002 / 1/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2002 / 1/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2002 / 1/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2002 / 1/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2002 / 1/8/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2002 / 1/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/8/2002 / 1/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/8/2002 / 1/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2002 / 1/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2002 / 1/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/8/2002 / 1/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/8/2002 / 1/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2002 / 1/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/8/2002 / 1/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2002 / 1/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/8/2002 / 1/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/8/2002 / 1/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/8/2002 / 1/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/8/2002 / 1/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/8/2002 / 1/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/8/2002 / 1/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2002 / 1/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/8/2002 / 1/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2002 / 1/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/8/2002 / 1/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/8/2002 / 1/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/8/2002 / 1/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2002 / 1/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/8/2002 / 1/8/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020003
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 02-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	1/8/2002 / 1/8/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	1/8/2002 / 1/8/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2002 / 1/8/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2002 / 1/8/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2002 / 1/8/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2002 / 1/8/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	1/8/2002 / 1/8/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/8/2002 / 1/8/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	1/8/2002 / 1/8/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/8/2002 / 1/8/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/8/2002 / 1/8/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/8/2002 / 1/8/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	1/8/2002 / 1/8/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	1/8/2002 / 1/8/2002

Approved By: _____ **Date:** 1/24/02

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

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

WDNR# 241340550

INVOICE NUMBER **20020023**
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27118	Matrix: GW						Collection: 1/7/2002		Time: 10:30	
Client ID: **020107**							Sample Description: WA09R			
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	1/9/2002	*999418*	
Barium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	1/23/2002	*999509*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	1/14/2002	*999451*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	1/23/2002	*999509*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/23/2002	*999509*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	1/23/2002	*999509*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	1/22/2002	*999507*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/23/2002	*999509*	*Preliminary Data*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	1/11/2002	*999426*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	1/23/2002	*999509*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	1/18/2002	*999494*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	1/23/2002	*999509*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	1/10/2002	*999423*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	1/23/2002	*999509*	
Sample Number: 27120	Matrix: GW						Collection: 1/7/2002		Time: 10:36	
Client ID: **020107**							Sample Description: WA02P			
pH (water)	**9.5**	**s.u.**	**# RJ**			150.1	lu	1/14/2002	*999454*	
Sample Number: 27121	Matrix: GW						Collection: 1/7/2002		Time: 10:38	
Client ID: **020107**							Sample Description: WA03P			
pH (water)	**12**	**s.u.**	**# RJ**			150.1	lu	1/14/2002	*999454*	
Sample Number: 27122	Matrix: GW						Collection: 1/7/2002		Time: 10:24	
Client ID: **020107**							Sample Description: WA05P			
pH (water)	**7.5**	**s.u.**	**# RJ**			150.1	lu	1/14/2002	*999454*	
Sample Number: 27125	Matrix: GW						Collection: 1/7/2002		Time: 10:26	
Client ID: **020107**							Sample Description: WA09P			
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/8/2002	*999518*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/14/2002	*999444*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020023
DATE REPORTED: 24-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/14/2002	*999443*	
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1	lu	1/14/2002	*999454*	

Sample Number: 27126 Matrix: GW
Client ID: **020107**
Collection: 1/7/2002 Time: 10:20
Sample Description: WA01P

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	1/9/2002	*999418*	
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	1/23/2002	*999509*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	1/14/2002	*999451*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	1/23/2002	*999509*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/23/2002	*999509*	
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	1/23/2002	*999509*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	1/22/2002	*999507*	
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/23/2002	*999509*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	1/11/2002	*999426*	
Nickel - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	1/23/2002	*999509*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	1/18/2002	*999494*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	1/23/2002	*999509*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	1/10/2002	*999423*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	1/23/2002	*999509*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/8/2002	*999518*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/14/2002	*999444*	
Cyanide, Total	**0.01**	**mg/l**	***J*** **RJ**	0.006	0.02	335.2	bb	1/14/2002	*999443*	
pH (water)	**7**	**s.u.**	**# RJ**			150.1	lu	1/14/2002	*999454*	

Approved By: _____ **Date:** 1/7/02
James Chang, Ph.D. , Lab Director

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

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020023**
DATE REPORTED: 18-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 27123
Client ID: 020107

QC Prep Batch Number: 999483

Collection: 1/7/2002 Time: 10:32
Sample Description: WA07P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/14/2002 / 1/17/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2002 / 1/17/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2002 / 1/17/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2002 / 1/17/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2002 / 1/17/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/14/2002 / 1/17/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/14/2002 / 1/17/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/14/2002 / 1/17/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/14/2002 / 1/17/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2002 / 1/17/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/14/2002 / 1/17/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2002 / 1/17/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2002 / 1/17/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2002 / 1/17/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2002 / 1/17/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2002 / 1/17/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/14/2002 / 1/17/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/14/2002 / 1/17/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2002 / 1/17/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/14/2002 / 1/17/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/14/2002 / 1/17/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2002 / 1/17/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/14/2002 / 1/17/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2002 / 1/17/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/14/2002 / 1/17/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/14/2002 / 1/17/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/14/2002 / 1/17/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/14/2002 / 1/17/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020023**
DATE REPORTED: 18-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2002 / 1/17/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2002 / 1/17/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	1/14/2002 / 1/17/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2002 / 1/17/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	1/14/2002 / 1/17/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2002 / 1/17/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	1/14/2002 / 1/17/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	1/14/2002 / 1/17/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2002 / 1/17/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2002 / 1/17/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2002 / 1/17/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2002 / 1/17/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	1/14/2002 / 1/17/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2002 / 1/17/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2002 / 1/17/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	1/14/2002 / 1/17/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	1/14/2002 / 1/17/2002

Sample Number: 27124
Client ID: 020107

QC Prep Batch Number: 999483

Collection: 1/7/2002 Time: 10:34
Sample Description: WA08P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	1/14/2002 / 1/17/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2002 / 1/17/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2002 / 1/17/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	1/14/2002 / 1/17/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2002 / 1/17/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	1/14/2002 / 1/17/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	1/14/2002 / 1/17/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	1/14/2002 / 1/17/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	1/14/2002 / 1/17/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2002 / 1/17/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	1/14/2002 / 1/17/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	1/14/2002 / 1/17/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020023**
DATE REPORTED: 18-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2002 / 1/17/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2002 / 1/17/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2002 / 1/17/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2002 / 1/17/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/14/2002 / 1/17/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/14/2002 / 1/17/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2002 / 1/17/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/14/2002 / 1/17/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/14/2002 / 1/17/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2002 / 1/17/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/14/2002 / 1/17/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2002 / 1/17/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/14/2002 / 1/17/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/14/2002 / 1/17/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/14/2002 / 1/17/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/14/2002 / 1/17/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/14/2002 / 1/17/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/14/2002 / 1/17/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2002 / 1/17/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/14/2002 / 1/17/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/14/2002 / 1/17/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/14/2002 / 1/17/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/14/2002 / 1/17/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/14/2002 / 1/17/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/14/2002 / 1/17/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/14/2002 / 1/17/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2002 / 1/17/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2002 / 1/17/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2002 / 1/17/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/14/2002 / 1/17/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/14/2002 / 1/17/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/14/2002 / 1/17/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/14/2002 / 1/17/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020023**
DATE REPORTED: 18-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/14/2002 / 1/17/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/14/2002 / 1/17/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/14/2002 / 1/17/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/14/2002 / 1/17/2002

Sample Number: 27125 QC Prep Batch Number: 999483 Collection: 1/7/2002 Time: 10:26
Client ID: 020107 Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 1/17/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/17/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/17/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/17/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/17/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 1/17/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 1/17/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 1/17/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 1/17/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/17/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 1/17/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/17/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/17/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/17/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/17/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/17/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 1/17/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 1/17/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/17/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 1/17/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 1/17/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/17/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/17/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 1/17/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/17/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 1/17/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/17/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 1/17/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020023**
DATE REPORTED: 18-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/17/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 1/17/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/17/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 1/17/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/17/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/17/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 1/17/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/17/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 1/17/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/17/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/17/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 1/17/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 1/17/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/17/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/17/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/17/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/17/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 1/17/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/17/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/17/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/17/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 1/17/2002

Sample Number: 27126 QC Prep Batch Number: 999483 Collection: 1/7/2002 Time: 10:20
Client ID: 020107 Sample Description: WA01P

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	/ 1/17/2002
1,1,1-Trichloroethane	110	ug/l	1.6	4.9	5		8260	qh	/ 1/17/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 1/17/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 1/17/2002
1,1-Dichloroethane	12	ug/l	1.6	5.1	5		8260	qh	/ 1/17/2002
1,1-Dichloroethene	5.2	ug/l	1.7	5.4	5	J	8260	qh	/ 1/17/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 1/17/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 1/17/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 1/17/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 1/17/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/17/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020023**
DATE REPORTED: 18-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	qh	/ 1/17/2002
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/17/2002
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	qh	/ 1/17/2002
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	qh	/ 1/17/2002
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/17/2002
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/17/2002
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	/ 1/17/2002
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	/ 1/17/2002
12Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	qh	/ 1/17/2002
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/17/2002
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	/ 1/17/2002
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	/ 1/17/2002
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/17/2002
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/17/2002
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	/ 1/17/2002
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	/ 1/17/2002
Benzene	<1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/17/2002
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	/ 1/17/2002
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	/ 1/17/2002
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	/ 1/17/2002
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	/ 1/17/2002
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	/ 1/17/2002
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/17/2002
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/17/2002
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	/ 1/17/2002
Chloroform	<1.2	ug/l	1.2	3.8	5		8260	qh	/ 1/17/2002
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	qh	/ 1/17/2002
cis-1,2-Dichloroethene	19	ug/l	1.4	4.3	5		8260	qh	/ 1/17/2002
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	qh	/ 1/17/2002
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	qh	/ 1/17/2002
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	qh	/ 1/17/2002
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	/ 1/17/2002
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/17/2002
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	/ 1/17/2002
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/17/2002
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	/ 1/17/2002
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	/ 1/17/2002
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	/ 1/17/2002
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/17/2002
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	/ 1/17/2002
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	/ 1/17/2002
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	/ 1/17/2002
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/17/2002
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	/ 1/17/2002
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	/ 1/17/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020023**
DATE REPORTED: 18-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 1/17/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 1/17/2002
Tetrachloroethene	4.2	ug/l	1.6	4.9	5	J	8260	qh	/ 1/17/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 1/17/2002
trans-1,2-Dichloroethene	12	ug/l	1.3	4.0	5		8260	qh	/ 1/17/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 1/17/2002
Trichloroethene	273	ug/l	1.7	5.4	5		8260	qh	/ 1/17/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 1/17/2002
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	/ 1/17/2002

Sample Number: 27127
Client ID: TRIP BLK

QC Prep Batch Number: 999483

Collection: 1/7/2002 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 1/17/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/17/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/17/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 1/17/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/17/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 1/17/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 1/17/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 1/17/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 1/17/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/17/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 1/17/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 1/17/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/17/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/17/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/17/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/17/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 1/17/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 1/17/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/17/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 1/17/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 1/17/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/17/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/17/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 1/17/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020023**
DATE REPORTED: 18-Jan-02
DATE RECEIVED: 07-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/17/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	/ 1/17/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/17/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	/ 1/17/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/17/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	/ 1/17/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	/ 1/17/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	/ 1/17/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	/ 1/17/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 1/17/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/17/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	/ 1/17/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	/ 1/17/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	/ 1/17/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	/ 1/17/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	/ 1/17/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	/ 1/17/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	/ 1/17/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/17/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/17/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/17/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 1/17/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 1/17/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	/ 1/17/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 1/17/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	/ 1/17/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 1/17/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	/ 1/17/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	/ 1/17/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020023**
DATE REPORTED:	18-Jan-02
DATE RECEIVED:	07-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 1/18/02

James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020035**
DATE REPORTED: 21-Jan-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 27169 QC Prep Batch Number: 999495 Collection: 1/14/2002 Time: 10:40
Client ID: 020114 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	1/15/2002 / 1/15/2002
1,1,1-Trichloroethane	90	ug/l	1.6	4.9	5		8260	qh	1/15/2002 / 1/15/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/15/2002 / 1/15/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/15/2002 / 1/15/2002
1,1-Dichloroethane	9.9	ug/l	1.6	5.1	5		8260	qh	1/15/2002 / 1/15/2002
1,1-Dichloroethene	6.5	ug/l	1.7	5.4	5		8260	qh	1/15/2002 / 1/15/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	1/15/2002 / 1/15/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	1/15/2002 / 1/15/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	1/15/2002 / 1/15/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	1/15/2002 / 1/15/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/15/2002 / 1/15/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/15/2002 / 1/15/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/15/2002 / 1/15/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	1/15/2002 / 1/15/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	1/15/2002 / 1/15/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/15/2002 / 1/15/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/15/2002 / 1/15/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/15/2002 / 1/15/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/15/2002 / 1/15/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/15/2002 / 1/15/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/15/2002 / 1/15/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	1/15/2002 / 1/15/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	1/15/2002 / 1/15/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/15/2002 / 1/15/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/15/2002 / 1/15/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	1/15/2002 / 1/15/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	1/15/2002 / 1/15/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/15/2002 / 1/15/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/15/2002 / 1/15/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/15/2002 / 1/15/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	1/15/2002 / 1/15/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/15/2002 / 1/15/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	1/15/2002 / 1/15/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/15/2002 / 1/15/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/15/2002 / 1/15/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	1/15/2002 / 1/15/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/15/2002 / 1/15/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	1/15/2002 / 1/15/2002
cis-1,2-Dichloroethene	28	ug/l	1.4	4.3	5		8260	qh	1/15/2002 / 1/15/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/15/2002 / 1/15/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	1/15/2002 / 1/15/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020035**
DATE REPORTED: 21-Jan-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	qh	1/15/2002 / 1/15/2002
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	1/15/2002 / 1/15/2002
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	1/15/2002 / 1/15/2002
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	1/15/2002 / 1/15/2002
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	1/15/2002 / 1/15/2002
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	1/15/2002 / 1/15/2002
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	1/15/2002 / 1/15/2002
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	1/15/2002 / 1/15/2002
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	1/15/2002 / 1/15/2002
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	1/15/2002 / 1/15/2002
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	1/15/2002 / 1/15/2002
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	1/15/2002 / 1/15/2002
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	1/15/2002 / 1/15/2002
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	1/15/2002 / 1/15/2002
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	1/15/2002 / 1/15/2002
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	1/15/2002 / 1/15/2002
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	1/15/2002 / 1/15/2002
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	qh	1/15/2002 / 1/15/2002
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	1/15/2002 / 1/15/2002
trans-1,2-Dichloroethene	11	ug/l	1.3	4.0	5		8260	qh	1/15/2002 / 1/15/2002
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	qh	1/15/2002 / 1/15/2002
Trichloroethene	441	ug/l	1.7	5.4	5		8260	qh	1/15/2002 / 1/15/2002
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	qh	1/15/2002 / 1/15/2002
Vinyl chloride	<1.0	ug/l	1.0	3.2	5		8260	qh	1/15/2002 / 1/15/2002

Sample Number: 27173
Client ID: 020114

QC Prep Batch Number: 999495

Collection: 1/14/2002 Time: 10:30
Sample Description: WA07P

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020035**
DATE REPORTED: 21-Jan-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020035
DATE REPORTED: 21-Jan-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/15/2002 / 1/15/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/15/2002 / 1/15/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	1/15/2002 / 1/15/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	1/15/2002 / 1/15/2002

Sample Number: 27174
Client ID: 020114
QC Prep Batch Number: 999495
Collection: 1/14/2002 Time: 10:50
Sample Description: WA08P

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020035**
DATE REPORTED: 21-Jan-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

Sample Number: 27175
Client ID: 020114

QC Prep Batch Number: 999495

Collection: 1/14/2002 Time: 10:32
Sample Description: WA09P

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020035
DATE REPORTED: 21-Jan-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020035**
DATE REPORTED: 21-Jan-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

Sample Number: 27176 QC Prep Batch Number: 999495 Collection: 1/14/2002 Time:
Client ID: TRIP BLK Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020035**
DATE REPORTED: 21-Jan-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020035**
DATE REPORTED:	21-Jan-02
DATE RECEIVED:	14-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: James Chang, Ph.D. , Lab Director **Date:** 1/21/02

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020035**
DATE REPORTED: 04-Feb-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 27168 Matrix: GW
Client ID: **020114**
Collection: 1/14/2002 Time: 10:36
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	1/23/2002	*999524*	
Barium - ICAP	**0.01**	**mg/l**	***J* RJ**	0.007	0.02	200.7	ez	1/23/2002	*999509*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	1/23/2002	*999557*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	1/23/2002	*999509*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/23/2002	*999509*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	1/23/2002	*999509*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	1/22/2002	*999507*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/23/2002	*999509*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	1/24/2002	*999556*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	1/23/2002	*999509*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	1/18/2002	*999494*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	1/23/2002	*999509*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	1/25/2002	*999555*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	1/23/2002	*999509*	

Sample Number: 27169 Matrix: GW
Client ID: **020114**
Collection: 1/14/2002 Time: 10:40
Sample Description: WA01P

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	1/23/2002	*999524*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	1/23/2002	*999509*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	1/23/2002	*999557*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	1/23/2002	*999509*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/23/2002	*999509*	
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	1/23/2002	*999509*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	1/22/2002	*999507*	
Manganese - ICAP	**0.15**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/23/2002	*999509*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	1/24/2002	*999556*	
Nickel - ICAP	**0.02**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	1/23/2002	*999509*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	1/18/2002	*999494*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	1/23/2002	*999509*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	1/25/2002	*999555*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	1/23/2002	*999509*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020035**
DATE REPORTED: 04-Feb-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/15/2002	*999518*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002	*999553*	
Cyanide, Total	**0.007**	**mg/l**	***J* RJ**	0.006	0.02	335.2	bb	1/25/2002	*999543*	
pH (water)	**6.9**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Sample Number: 27170		Matrix: GW						Collection: 1/14/2002		Time: 10:44
Client ID: **020114**								Sample Description: WA02P		
pH (water)	**9.4**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Sample Number: 27171		Matrix: GW						Collection: 1/14/2002		Time: 10:46
Client ID: **020114**								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Sample Number: 27172		Matrix: GW						Collection: 1/14/2002		Time: 10:48
Client ID: **020114**								Sample Description: WA05P		
pH (water)	**8.2**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Sample Number: 27175		Matrix: GW						Collection: 1/14/2002		Time: 10:32
Client ID: **020114**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/15/2002	*999518*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002	*999553*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002	*999543*	
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020035**
DATE REPORTED: 04-Feb-02
DATE RECEIVED: 14-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
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8222 W. Calumet Road
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Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments

Approved By: _____ **Date:** 2/4/02
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

APL INC.

INORGANIC REPORT

Dr. James Chang
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WDNR# 241340550

INVOICE NUMBER **20020052**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package Shutd

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27253	Matrix: GW							Collection: 1/22/2002	Time: 07:42	
Client ID: **020122**								Sample Description: WA01P		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	1/23/2002	*999524*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	1/29/2002	*999546*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	1/28/2002	*999557*	
Chromium, Total - ICAP	**0.008**	**mg/l**	***J* RJ**	0.008	0.03	200.7	ez	1/29/2002	*999546*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/29/2002	*999546*	
Iron - ICAP	**0.84**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	1/29/2002	*999546*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	2/6/2002	*999618*	
Manganese - ICAP	**0.14**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/29/2002	*999546*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	1/28/2002	*999556*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	1/29/2002	*999546*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	2/5/2002	*999659*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	1/29/2002	*999546*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	1/25/2002	*999555*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	1/29/2002	*999546*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/23/2002	*999564*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002	*999553*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	2/4/2002	*999661*	
pH (water)	**7.1**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Sample Number: 27254	Matrix: GW							Collection: 1/22/2002	Time: 07:42	
Client ID: **020122**								Sample Description: wa01Q		
Nickel - ICAP	**0.02**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	1/23/2002	*999525*	
COD. Total	**12**	**mg/l**	***J***	5.7	18	410.4-CT		1/30/2002	*999627*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002	*999543*	
pH (water)	**7.1**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Solids, Total Suspended	**<1**	**mg/l**		1	3.2	SM 2540D			*999544*	
Sample Number: 27255	Matrix: GW							Collection: 1/22/2002	Time: 07:45	
Client ID: **020122**								Sample Description: wa05p		
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020052
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package Shutd

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: 27256 Matrix: GW								Collection: 1/22/2002	Time: 07:52	
Client ID: 020122								Sample Description: WA04Q		
Nickel - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	1/23/2002	*999525*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002	*999543*	
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Solids, Total Suspended	**<1**	**mg/l**		1	3.2	SM 2540D			*999544*	
Sample Number: 27257 Matrix: GW								Collection: 1/22/2002	Time: 07:48	
Client ID: 020122								Sample Description: WA07P		
pH (water)	**8.1**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Sample Number: 27258 Matrix: GW								Collection: 1/22/2002	Time: 07:48	
Client ID: 020122								Sample Description: WA07Q		
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	1/23/2002	*999525*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002	*999543*	
Solids, Total Suspended	**<1**	**mg/l**		1	3.2	SM 2540D			*999544*	
Sample Number: 27260 Matrix: GW								Collection: 1/22/2002	Time: 07:38	
Client ID: 020122								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/23/2002	*999564*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002	*999553*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002	*999543*	
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Sample Number: 27261 Matrix: GW								Collection: 1/22/2002	Time: 07:38	
Client ID: 020122								Sample Description: WA09Q		
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/25/2002		
pH (water)	**7.8**	**s.u.**	**# RJ**			150.1		1/23/2002	*999520*	
Sample Number: 27262 Matrix: GW								Collection: 1/22/2002	Time: 07:35	
Client ID: 020122								Sample Description: WA09R		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	1/23/2002	*999524*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20020052**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package Shutd

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Barium - ICAP	**0.07**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	1/29/2002	*999546*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	1/28/2002	*999557*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J* RJ**	0.008	0.03	200.7	ez	1/29/2002	*999546*	
Copper- ICAP	**0.006**	**mg/l**	***J* RJ**	0.006	0.02	200.7	ez	1/29/2002	*999546*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	1/29/2002	*999546*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	2/6/2002	*999618*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	1/29/2002	*999546*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	1/28/2002	*999556*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	1/29/2002	*999546*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	2/5/2002	*999659*	
Silver - ICAP	**0.005**	**mg/l**	***J* RJ**	0.004	0.01	200.7	ez	1/29/2002	*999546*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	1/25/2002	*999555*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	1/29/2002	*999546*	

Sample Number: 27263 Matrix: GW
Client ID: **020122**
Collection: 1/22/2002 Time: 07:35
Sample Description: WA09RQ

Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	1/23/2002	*999525*	
COD. Total	**8.4**	**mg/l**	***J***	5.7	18	410.4-CT		1/30/2002	*999627*	
Nitrate + Nitrite Nitrogen	**1.6**	**mg/l**		0.03	0.10	353.3		1/24/2002	*999633*	
Nitrogen, Ammonia	**0.18**	**mg/l**	***J***	0.1	0.32	350.1		1/28/2002	*999629*	
Phosphorus, Total	**<0.10**	**mg/l**		0.033	0.10	365.2		1/29/2002	*999634*	
Solids, Total Suspended	**<1**	**mg/l**		1	3.2	SM 2540D			*999544*	

Approved By: _____ **Date:** 2/25/02
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

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

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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

Sample Number: 27253
Client ID: 020122
QC Prep Batch Number: 999548
Collection: 1/22/2002 Time: 07:42
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	1/24/2002 / 1/24/2002
1,1,1-Trichloroethane	82	ug/l	1.6	4.9	5		8260	qh	1/24/2002 / 1/24/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/24/2002 / 1/24/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethane	8.8	ug/l	1.6	5.1	5		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/24/2002 / 1/24/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	1/24/2002 / 1/24/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/24/2002 / 1/24/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/24/2002 / 1/24/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/24/2002 / 1/24/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/24/2002 / 1/24/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	1/24/2002 / 1/24/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	1/24/2002 / 1/24/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/24/2002 / 1/24/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/24/2002 / 1/24/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	1/24/2002 / 1/24/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	1/24/2002 / 1/24/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/24/2002 / 1/24/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/24/2002 / 1/24/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/24/2002 / 1/24/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	1/24/2002 / 1/24/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/24/2002 / 1/24/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	1/24/2002 / 1/24/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/24/2002 / 1/24/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/24/2002 / 1/24/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	1/24/2002 / 1/24/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/24/2002 / 1/24/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	1/24/2002 / 1/24/2002
cis-1,2-Dichloroethene	39	ug/l	1.4	4.3	5		8260	qh	1/24/2002 / 1/24/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/24/2002 / 1/24/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	1/24/2002 / 1/24/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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	1/24/2002 / 1/24/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/24/2002 / 1/24/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/24/2002 / 1/24/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	1/24/2002 / 1/24/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/24/2002 / 1/24/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/24/2002 / 1/24/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	1/24/2002 / 1/24/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/24/2002 / 1/24/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/24/2002 / 1/24/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/24/2002 / 1/24/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	1/24/2002 / 1/24/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	1/24/2002 / 1/24/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/24/2002 / 1/24/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/24/2002 / 1/24/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/24/2002 / 1/24/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	1/24/2002 / 1/24/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/24/2002 / 1/24/2002
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/24/2002 / 1/24/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	1/24/2002 / 1/24/2002
trans-1,2-Dichloroethene	8.1	ug/l	1.3	4.0	5		8260	qh	1/24/2002 / 1/24/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/24/2002 / 1/24/2002
Trichloroethene	332	ug/l	1.7	5.4	5		8260	qh	1/24/2002 / 1/24/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/24/2002 / 1/24/2002
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	1/24/2002 / 1/24/2002

Sample Number: 27254
Client ID: 020122

QC Prep Batch Number: 999521

Collection: 1/22/2002 Time: 07:42
Sample Description: wa01Q

1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	4		8260	qh	1/22/2002 /
1,1,1-Trichloroethane	71	ug/l	1.2	3.9	4		8260	qh	1/22/2002 /
1,1,2,2-Tetrachloroethane	< 1.8	ug/l	1.8	5.6	4		8260	qh	1/22/2002 /
1,1,2-Trichloroethane	< 1.8	ug/l	1.8	5.6	4		8260	qh	1/22/2002 /
1,1-Dichloroethane	7.3	ug/l	1.3	4.1	4		8260	qh	1/22/2002 /
1,1-Dichloroethene	< 1.4	ug/l	1.4	4.3	4		8260	qh	1/22/2002 /
1,1-Dichloropropene	< 1.7	ug/l	1.7	5.5	4		8260	qh	1/22/2002 /
1,2,3-Trichlorobenzene	< 2.0	ug/l	2.0	6.4	4		8260	qh	1/22/2002 /
1,2,3-Trichloropropane	< 2.0	ug/l	2.0	6.5	4		8260	qh	1/22/2002 /
1,2,4-Trichlorobenzene	< 1.9	ug/l	1.9	6.0	4		8260	qh	1/22/2002 /
1,2,4-Trimethylbenzene	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/22/2002 /
1,2-Dibromoethane	< 1.8	ug/l	1.8	5.9	4		8260	qh	1/22/2002 /
1,2-Dichlorobenzene	< 1.4	ug/l	1.4	4.3	4		8260	qh	1/22/2002 /
1,2-Dichloroethane	< 1.4	ug/l	1.4	4.5	4		8260	qh	1/22/2002 /
1,2-Dichloropropane	< 1.3	ug/l	1.3	4.1	4		8260	qh	1/22/2002 /
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.3	4		8260	qh	1/22/2002 /

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 1.0	ug/l	1.0	3.3	4		8260	qh	1/22/2002 /
1,3-Dichloropropane	< 1.6	ug/l	1.6	5.0	4		8260	qh	1/22/2002 /
1,4-Dichlorobenzene	< 1.4	ug/l	1.4	4.6	4		8260	qh	1/22/2002 /
12Dibromo-3-chloropropan	< 1.3	ug/l	1.3	4.2	4		8260	qh	1/22/2002 /
2,2-Dichloropropane	< 1.1	ug/l	1.1	3.4	4		8260	qh	1/22/2002 /
2-Butanone (MEK)	< 5.5	ug/l	5.5	18	4		8260	qh	1/22/2002 /
2-Chloroethyl Vinyl Ether	< 2.8	ug/l	2.8	8.9	4		8260	qh	1/22/2002 /
2-Chlorotoluene	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/22/2002 /
4-Chlorotoluene	< 1.0	ug/l	1.0	3.3	4		8260	qh	1/22/2002 /
4-Methyl-2-Pentanone	< 3.2	ug/l	3.2	10	4		8260	qh	1/22/2002 /
Acetone	< 6.2	ug/l	6.2	20	4		8260	qh	1/22/2002 /
Benzene	< 1.1	ug/l	1.1	3.4	4		8260	qh	1/22/2002 /
Bromobenzene	< 1.2	ug/l	1.2	3.9	4		8260	qh	1/22/2002 /
Bromochloromethane	< 1.5	ug/l	1.5	4.7	4		8260	qh	1/22/2002 /
Bromodichloromethane	< 1.5	ug/l	1.5	4.8	4		8260	qh	1/22/2002 /
Bromoform	< 1.6	ug/l	1.6	5.0	4		8260	qh	1/22/2002 /
Bromomethane	< 2.6	ug/l	2.6	8.3	4		8260	qh	1/22/2002 /
Carbon tetrachloride	< 1.1	ug/l	1.1	3.4	4		8260	qh	1/22/2002 /
Chlorobenzene	< 1.0	ug/l	1.0	3.3	4		8260	qh	1/22/2002 /
Chloroethane	< 2.6	ug/l	2.6	8.1	4		8260	qh	1/22/2002 /
Chloroform	< 0.96	ug/l	0.96	3.1	4		8260	qh	1/22/2002 /
Chloromethane	< 2.0	ug/l	2.0	6.2	4		8260	qh	1/22/2002 /
cis-1,2-Dichloroethene	44	ug/l	1.1	3.4	4		8260	qh	1/22/2002 /
cis-1,3-Dichloropropene	< 1.5	ug/l	1.5	4.7	4		8260	qh	1/22/2002 /
Dibromochloromethane	< 1.6	ug/l	1.6	5.2	4		8260	qh	1/22/2002 /
Dibromomethane	< 1.8	ug/l	1.8	5.9	4		8260	qh	1/22/2002 /
Dichlorodifluoromethane	< 1.1	ug/l	1.1	3.4	4		8260	qh	1/22/2002 /
Ethylbenzene	< 1.0	ug/l	1.0	3.2	4		8260	qh	1/22/2002 /
Hexachlorobutadiene	< 1.7	ug/l	1.7	5.3	4		8260	qh	1/22/2002 /
Isopropyl Ether	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/22/2002 /
Isopropylbenzene	< 1.3	ug/l	1.3	4.2	4		8260	qh	1/22/2002 /
m&p-xylene	< 2.1	ug/l	2.1	6.7	4		8260	qh	1/22/2002 /
Methyl-t-butyl ether	< 1.6	ug/l	1.6	5.0	4		8260	qh	1/22/2002 /
Methylene chloride	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/22/2002 /
n-Butylbenzene	< 1.4	ug/l	1.4	4.6	4		8260	qh	1/22/2002 /
n-Propylbenzene	< 1.1	ug/l	1.1	3.6	4		8260	qh	1/22/2002 /
Naphthalene	< 3.0	ug/l	3.0	9.5	4		8260	qh	1/22/2002 /
o-xylene	< 1.0	ug/l	1.0	3.2	4		8260	qh	1/22/2002 /
p-Isopropyltoluene	< 1.2	ug/l	1.2	3.9	4		8260	qh	1/22/2002 /
sec-Butylbenzene	< 1.4	ug/l	1.4	4.3	4		8260	qh	1/22/2002 /
Styrene	< 1.0	ug/l	1.0	3.2	4		8260	qh	1/22/2002 /
tert-Butylbenzene	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/22/2002 /
Tetrachloroethene	3.0	ug/l	1.2	3.9	4	J	8260	qh	1/22/2002 /
Toluene	< 1.2	ug/l	1.2	3.7	4		8260	qh	1/22/2002 /
trans-1,2-Dichloroethene	8.4	ug/l	1.0	3.2	4		8260	qh	1/22/2002 /

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 1.0	ug/l	1.0	3.3	4		8260	qh	1/22/2002 /
Trichloroethene	227	ug/l	1.4	4.3	4		8260	qh	1/22/2002 /
Trichlorofluoromethane	< 0.96	ug/l	0.96	3.1	4		8260	qh	1/22/2002 /
Vinyl chloride	< 0.80	ug/l	0.80	2.5	4		8260	qh	1/22/2002 /

Sample Number: 27256 QC Prep Batch Number: 999521 Collection: 1/22/2002 Time: 07:52
Client ID: 020122 Sample Description: WA04Q

1,1,1,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	2		8260	qh	1/22/2002 / 1/22/2002
1,1,1-Trichloroethane	20	ug/l	0.62	2.0	2		8260	qh	1/22/2002 / 1/22/2002
1,1,2,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	2		8260	qh	1/22/2002 / 1/22/2002
1,1,2-Trichloroethane	< 0.88	ug/l	0.88	2.8	2		8260	qh	1/22/2002 / 1/22/2002
1,1-Dichloroethane	4.1	ug/l	0.64	2.0	2		8260	qh	1/22/2002 / 1/22/2002
1,1-Dichloroethene	< 0.68	ug/l	0.68	2.2	2		8260	qh	1/22/2002 / 1/22/2002
1,1-Dichloropropene	< 0.86	ug/l	0.86	2.7	2		8260	qh	1/22/2002 / 1/22/2002
1,2,3-Trichlorobenzene	< 1.0	ug/l	1.0	3.2	2		8260	qh	1/22/2002 / 1/22/2002
1,2,3-Trichloropropane	< 1.0	ug/l	1.0	3.2	2		8260	qh	1/22/2002 / 1/22/2002
1,2,4-Trichlorobenzene	< 0.94	ug/l	0.94	3.0	2		8260	qh	1/22/2002 / 1/22/2002
1,2,4-Trimethylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	1/22/2002 / 1/22/2002
1,2-Dibromoethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	1/22/2002 / 1/22/2002
1,2-Dichlorobenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	1/22/2002 / 1/22/2002
1,2-Dichloroethane	< 0.70	ug/l	0.70	2.2	2		8260	qh	1/22/2002 / 1/22/2002
1,2-Dichloropropane	< 0.64	ug/l	0.64	2.0	2		8260	qh	1/22/2002 / 1/22/2002
1,3,5-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	1/22/2002 / 1/22/2002
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	1/22/2002 / 1/22/2002
1,3-Dichloropropane	< 0.78	ug/l	0.78	2.5	2		8260	qh	1/22/2002 / 1/22/2002
1,4-Dichlorobenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	1/22/2002 / 1/22/2002
12Dibromo-3-chloropropan	< 0.66	ug/l	0.66	2.1	2		8260	qh	1/22/2002 / 1/22/2002
2,2-Dichloropropane	< 0.54	ug/l	0.54	1.7	2		8260	qh	1/22/2002 / 1/22/2002
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	2		8260	qh	1/22/2002 / 1/22/2002
2-Chloroethyl Vinyl Ether	< 1.4	ug/l	1.4	4.5	2		8260	qh	1/22/2002 / 1/22/2002
2-Chlorotoluene	< 0.60	ug/l	0.60	1.9	2		8260	qh	1/22/2002 / 1/22/2002
4-Chlorotoluene	< 0.52	ug/l	0.52	1.7	2		8260	qh	1/22/2002 / 1/22/2002
4-Methyl-2-Pentanone	< 1.6	ug/l	1.6	5.1	2		8260	qh	1/22/2002 / 1/22/2002
Acetone	< 3.1	ug/l	3.1	9.9	2		8260	qh	1/22/2002 / 1/22/2002
Benzene	< 0.54	ug/l	0.54	1.7	2		8260	qh	1/22/2002 / 1/22/2002
Bromobenzene	< 0.62	ug/l	0.62	2.0	2		8260	qh	1/22/2002 / 1/22/2002
Bromochloromethane	< 0.74	ug/l	0.74	2.4	2		8260	qh	1/22/2002 / 1/22/2002
Bromodichloromethane	< 0.76	ug/l	0.76	2.4	2		8260	qh	1/22/2002 / 1/22/2002
Bromoform	< 0.78	ug/l	0.78	2.5	2		8260	qh	1/22/2002 / 1/22/2002
Bromomethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	1/22/2002 / 1/22/2002
Carbon tetrachloride	< 0.54	ug/l	0.54	1.7	2		8260	qh	1/22/2002 / 1/22/2002
Chlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	1/22/2002 / 1/22/2002
Chloroethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	1/22/2002 / 1/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.48	ug/l	0.48	1.5	2		8260	qh	1/22/2002 / 1/22/2002
Chloromethane	< 0.98	ug/l	0.98	3.1	2		8260	qh	1/22/2002 / 1/22/2002
cis-1,2-Dichloroethene	18	ug/l	0.54	1.7	2		8260	qh	1/22/2002 / 1/22/2002
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	2		8260	qh	1/22/2002 / 1/22/2002
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	2		8260	qh	1/22/2002 / 1/22/2002
Dibromomethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	1/22/2002 / 1/22/2002
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	2		8260	qh	1/22/2002 / 1/22/2002
Ethylbenzene	< 0.50	ug/l	0.50	1.6	2		8260	qh	1/22/2002 / 1/22/2002
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	2		8260	qh	1/22/2002 / 1/22/2002
Isopropyl Ether	< 0.60	ug/l	0.60	1.9	2		8260	qh	1/22/2002 / 1/22/2002
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	2		8260	qh	1/22/2002 / 1/22/2002
m&p-xylene	< 1.1	ug/l	1.1	3.4	2		8260	qh	1/22/2002 / 1/22/2002
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	2		8260	qh	1/22/2002 / 1/22/2002
Methylene chloride	< 0.60	ug/l	0.60	1.9	2		8260	qh	1/22/2002 / 1/22/2002
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	1/22/2002 / 1/22/2002
n-Propylbenzene	< 0.56	ug/l	0.56	1.8	2		8260	qh	1/22/2002 / 1/22/2002
Naphthalene	< 1.5	ug/l	1.5	4.8	2		8260	qh	1/22/2002 / 1/22/2002
o-xylene	< 0.50	ug/l	0.50	1.6	2		8260	qh	1/22/2002 / 1/22/2002
p-Isopropyltoluene	< 0.62	ug/l	0.62	2.0	2		8260	qh	1/22/2002 / 1/22/2002
sec-Butylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	1/22/2002 / 1/22/2002
Styrene	< 0.50	ug/l	0.50	1.6	2		8260	qh	1/22/2002 / 1/22/2002
tert-Butylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	1/22/2002 / 1/22/2002
Tetrachloroethene	< 0.62	ug/l	0.62	2.0	2		8260	qh	1/22/2002 / 1/22/2002
Toluene	< 0.58	ug/l	0.58	1.8	2		8260	qh	1/22/2002 / 1/22/2002
trans-1,2-Dichloroethene	1.8	ug/l	0.50	1.6	2		8260	qh	1/22/2002 / 1/22/2002
trans-1,3-Dichloropropene	< 0.52	ug/l	0.52	1.7	2		8260	qh	1/22/2002 / 1/22/2002
Trichloroethene	91	ug/l	0.68	2.2	2		8260	qh	1/22/2002 / 1/22/2002
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	2		8260	qh	1/22/2002 / 1/22/2002
Vinyl chloride	< 0.40	ug/l	0.40	1.3	2		8260	qh	1/22/2002 / 1/22/2002

Sample Number: 27257
Client ID: 020122

QC Prep Batch Number: 999613

Collection: 1/22/2002 Time: 07:48
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/23/2002 / 1/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/23/2002 / 1/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/23/2002 / 1/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/23/2002 / 1/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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	1/23/2002 / 1/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/23/2002 / 1/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/23/2002 / 1/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/23/2002 / 1/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/23/2002 / 1/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/23/2002 / 1/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/23/2002 / 1/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/23/2002 / 1/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/23/2002 / 1/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/23/2002 / 1/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/23/2002 / 1/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/23/2002 / 1/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/23/2002 / 1/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/23/2002 / 1/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/23/2002 / 1/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/23/2002 / 1/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/23/2002 / 1/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/23/2002 / 1/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/23/2002 / 1/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/23/2002 / 1/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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	1/23/2002 / 1/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/23/2002 / 1/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/23/2002 / 1/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/23/2002 / 1/22/2002

Sample Number: 27258 QC Prep Batch Number: 999521 Collection: 1/22/2002 Time: 07:48
Client ID: 020122 Sample Description: WA07Q

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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	1/22/2002 / 1/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/22/2002 / 1/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2002 / 1/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2002 / 1/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/22/2002 / 1/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2002 / 1/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/22/2002 / 1/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2002 / 1/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2002 / 1/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/22/2002 / 1/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2002 / 1/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2002 / 1/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2002 / 1/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/22/2002 / 1/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2002 / 1/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2002 / 1/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/22/2002 / 1/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2002 / 1/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2002 / 1/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2002 / 1/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/22/2002 / 1/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/22/2002 / 1/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2002 / 1/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2002 / 1/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2002 / 1/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2002 / 1/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2002 / 1/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2002 / 1/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/22/2002 / 1/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2002 / 1/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2002 / 1/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2002 / 1/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2002 / 1/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/22/2002 / 1/22/2002

Sample Number: 27259 QC Prep Batch Number: 999613 Collection: 1/22/2002 Time: 07:50
Client ID: 020122 Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/23/2002 / 1/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020052**
DATE REPORTED:	05-Feb-02
DATE RECEIVED:	22-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK #1
PROJECT NAME:	Metals Package

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/23/2002 / 1/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/23/2002 / 1/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/23/2002 / 1/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/23/2002 / 1/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/23/2002 / 1/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/23/2002 / 1/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/23/2002 / 1/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/23/2002 / 1/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/23/2002 / 1/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/23/2002 / 1/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/23/2002 / 1/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/23/2002 / 1/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/23/2002 / 1/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/23/2002 / 1/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/23/2002 / 1/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/23/2002 / 1/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/23/2002 / 1/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/23/2002 / 1/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/23/2002 / 1/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/23/2002 / 1/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/23/2002 / 1/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/23/2002 / 1/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/23/2002 / 1/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/23/2002 / 1/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/23/2002 / 1/22/2002

Sample Number: 27260
Client ID: 020122

QC Prep Batch Number: 999613

Collection: 1/22/2002 Time: 07:38
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/23/2002 / 1/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/23/2002 / 1/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/23/2002 / 1/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/23/2002 / 1/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/23/2002 / 1/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/23/2002 / 1/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/23/2002 / 1/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/23/2002 / 1/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/23/2002 / 1/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/23/2002 / 1/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/23/2002 / 1/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/23/2002 / 1/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/23/2002 / 1/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/23/2002 / 1/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/23/2002 / 1/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/23/2002 / 1/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/23/2002 / 1/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/23/2002 / 1/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/23/2002 / 1/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/23/2002 / 1/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/23/2002 / 1/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/23/2002 / 1/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/23/2002 / 1/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/23/2002 / 1/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/23/2002 / 1/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/23/2002 / 1/22/2002

Sample Number: 27261
Client ID: 020122

QC Prep Batch Number: 999521

Collection: 1/22/2002 Time: 07:38
Sample Description: WA09Q

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/22/2002 / 1/22/2002

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

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2002 / 1/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2002 / 1/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/22/2002 / 1/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2002 / 1/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2002 / 1/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/22/2002 / 1/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/22/2002 / 1/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/22/2002 / 1/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/22/2002 / 1/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2002 / 1/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2002 / 1/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2002 / 1/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/22/2002 / 1/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/22/2002 / 1/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2002 / 1/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2002 / 1/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2002 / 1/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2002 / 1/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2002 / 1/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2002 / 1/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/22/2002 / 1/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/22/2002 / 1/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2002 / 1/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2002 / 1/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/22/2002 / 1/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/22/2002 / 1/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2002 / 1/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2002 / 1/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2002 / 1/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/22/2002 / 1/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2002 / 1/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/22/2002 / 1/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2002 / 1/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2002 / 1/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/22/2002 / 1/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2002 / 1/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/22/2002 / 1/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2002 / 1/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/22/2002 / 1/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/22/2002 / 1/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/22/2002 / 1/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/22/2002 / 1/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2002 / 1/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/22/2002 / 1/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2002 / 1/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/22/2002 / 1/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/22/2002 / 1/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/22/2002 / 1/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2002 / 1/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/22/2002 / 1/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/22/2002 / 1/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/22/2002 / 1/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2002 / 1/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2002 / 1/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2002 / 1/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2002 / 1/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/22/2002 / 1/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/22/2002 / 1/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/22/2002 / 1/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/22/2002 / 1/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/22/2002 / 1/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/22/2002 / 1/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/22/2002 / 1/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/22/2002 / 1/22/2002

Sample Number: 27264 QC Prep Batch Number: 999613 Collection: 1/22/2002 Time:
Client ID: TRIP BLK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/23/2002 / 1/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/23/2002 / 1/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/23/2002 / 1/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/23/2002 / 1/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/23/2002 / 1/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/23/2002 / 1/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/23/2002 / 1/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/23/2002 / 1/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020052**
DATE REPORTED: 05-Feb-02
DATE RECEIVED: 22-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #1
PROJECT NAME: Metals Package

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/23/2002 / 1/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/23/2002 / 1/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/23/2002 / 1/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/23/2002 / 1/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/23/2002 / 1/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/23/2002 / 1/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/23/2002 / 1/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/23/2002 / 1/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/23/2002 / 1/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/23/2002 / 1/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/23/2002 / 1/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/23/2002 / 1/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/23/2002 / 1/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/23/2002 / 1/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/23/2002 / 1/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/23/2002 / 1/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/23/2002 / 1/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/23/2002 / 1/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/23/2002 / 1/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/23/2002 / 1/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/23/2002 / 1/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/23/2002 / 1/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/23/2002 / 1/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/23/2002 / 1/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/23/2002 / 1/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/23/2002 / 1/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020052**
DATE REPORTED:	05-Feb-02
DATE RECEIVED:	22-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK #1
PROJECT NAME:	Metals Package

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

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

Approved By: _____ **Date:** 2/5/02
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

Dr. James Chang
APL Environmental
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WDNR# 241340550

INVOICE NUMBER **20020063**
DATE REPORTED: 04-Feb-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#1
PROJECT NAME: MetalsPackageShutD

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27320	Matrix: GW							Collection: 1/24/2002		Time: 09:30
Client ID: **020124**								Sample Description: WA01Q		
Nickel - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	1/28/2002	*999552*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/28/2002	*999554*	
pH (water)	**6.9**	**s.u.**	#			150.1	tm	1/28/2002	*999574*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	LU	1/28/2002	*999563*	
Sample Number: 27321	Matrix: GW							Collection: 1/24/2002		Time: 09:25
Client ID: **020124**								Sample Description: WA04Q		
Nickel - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	ez	1/28/2002	*999552*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/28/2002	*999554*	
pH (water)	**7.4**	**s.u.**	#			150.1	tm	1/28/2002	*999574*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	LU	1/28/2002	*999563*	
Sample Number: 27322	Matrix: GW							Collection: 1/24/2002		Time: 09:35
Client ID: **020124**								Sample Description: WA07Q		
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/28/2002	*999554*	
pH (water)	**8.1**	**s.u.**	#			150.1	tm	1/28/2002	*999574*	
Sample Number: 27323	Matrix: GW							Collection: 1/24/2002		Time: 09:40
Client ID: **020124**								Sample Description: WA09Q		
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	1/28/2002	*999554*	
pH (water)	**7.9**	**s.u.**	#			150.1	tm	1/28/2002	*999574*	
Sample Number: 27324	Matrix: GW							Collection: 1/24/2002		Time: 09:45
Client ID: **020124**								Sample Description: WA09RQ		
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	1/28/2002	*999552*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20020063**
DATE REPORTED:	04-Feb-02
DATE RECEIVED:	24-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK#1
PROJECT NAME:	MetalsPackageShutD

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:** 2/4/02

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: **20020063**
DATE REPORTED: 28-Jan-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#1
PROJECT NAME: MetalsPackageS

Dr. James Chang
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Milwaukee , WI 53223

Sample Number: 27320
Client ID: 020124
QC Prep Batch Number: 999548
Collection: 1/24/2002 Time: 09:30
Sample Description: WA01Q

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	4		8260	qh	1/24/2002 / 1/24/2002
1,1,1-Trichloroethane	81	ug/l	1.2	3.9	4		8260	qh	1/24/2002 / 1/24/2002
1,1,2,2-Tetrachloroethane	< 1.8	ug/l	1.8	5.6	4		8260	qh	1/24/2002 / 1/24/2002
1,1,2-Trichloroethane	< 1.8	ug/l	1.8	5.6	4		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethane	8.5	ug/l	1.3	4.1	4		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethene	< 1.4	ug/l	1.4	4.3	4		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloropropene	< 1.7	ug/l	1.7	5.5	4		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichlorobenzene	< 2.0	ug/l	2.0	6.4	4		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichloropropane	< 2.0	ug/l	2.0	6.5	4		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trichlorobenzene	< 1.9	ug/l	1.9	6.0	4		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trimethylbenzene	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/24/2002 / 1/24/2002
1,2-Dibromoethane	< 1.8	ug/l	1.8	5.9	4		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichlorobenzene	< 1.4	ug/l	1.4	4.3	4		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloroethane	< 1.4	ug/l	1.4	4.5	4		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloropropane	< 1.3	ug/l	1.3	4.1	4		8260	qh	1/24/2002 / 1/24/2002
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.3	4		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichlorobenzene	< 1.0	ug/l	1.0	3.3	4		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichloropropane	< 1.6	ug/l	1.6	5.0	4		8260	qh	1/24/2002 / 1/24/2002
1,4-Dichlorobenzene	< 1.4	ug/l	1.4	4.6	4		8260	qh	1/24/2002 / 1/24/2002
12Dibromo-3-chloropropan	< 1.3	ug/l	1.3	4.2	4		8260	qh	1/24/2002 / 1/24/2002
2,2-Dichloropropane	< 1.1	ug/l	1.1	3.4	4		8260	qh	1/24/2002 / 1/24/2002
2-Butanone (MEK)	< 5.5	ug/l	5.5	18	4		8260	qh	1/24/2002 / 1/24/2002
2-Chloroethyl Vinyl Ether	< 2.8	ug/l	2.8	8.9	4		8260	qh	1/24/2002 / 1/24/2002
2-Chlorotoluene	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/24/2002 / 1/24/2002
4-Chlorotoluene	< 1.0	ug/l	1.0	3.3	4		8260	qh	1/24/2002 / 1/24/2002
4-Methyl-2-Pentanone	< 3.2	ug/l	3.2	10	4		8260	qh	1/24/2002 / 1/24/2002
Acetone	< 6.2	ug/l	6.2	20	4		8260	qh	1/24/2002 / 1/24/2002
Benzene	< 1.1	ug/l	1.1	3.4	4		8260	qh	1/24/2002 / 1/24/2002
Bromobenzene	< 1.2	ug/l	1.2	3.9	4		8260	qh	1/24/2002 / 1/24/2002
Bromochloromethane	< 1.5	ug/l	1.5	4.7	4		8260	qh	1/24/2002 / 1/24/2002
Bromodichloromethane	< 1.5	ug/l	1.5	4.8	4		8260	qh	1/24/2002 / 1/24/2002
Bromoform	< 1.6	ug/l	1.6	5.0	4		8260	qh	1/24/2002 / 1/24/2002
Bromomethane	< 2.6	ug/l	2.6	8.3	4		8260	qh	1/24/2002 / 1/24/2002
Carbon tetrachloride	< 1.1	ug/l	1.1	3.4	4		8260	qh	1/24/2002 / 1/24/2002
Chlorobenzene	< 1.0	ug/l	1.0	3.3	4		8260	qh	1/24/2002 / 1/24/2002
Chloroethane	< 2.6	ug/l	2.6	8.1	4		8260	qh	1/24/2002 / 1/24/2002
Chloroform	< 0.96	ug/l	0.96	3.1	4		8260	qh	1/24/2002 / 1/24/2002
Chloromethane	< 2.0	ug/l	2.0	6.2	4		8260	qh	1/24/2002 / 1/24/2002
cis-1,2-Dichloroethene	51	ug/l	1.1	3.4	4		8260	qh	1/24/2002 / 1/24/2002
cis-1,3-Dichloropropene	< 1.5	ug/l	1.5	4.7	4		8260	qh	1/24/2002 / 1/24/2002
Dibromochloromethane	< 1.6	ug/l	1.6	5.2	4		8260	qh	1/24/2002 / 1/24/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020063**
DATE REPORTED: 28-Jan-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#1
PROJECT NAME: MetalsPackageS

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	< 1.8	ug/l	1.8	5.9	4		8260	qh	1/24/2002 / 1/24/2002
Dichlorodifluoromethane	< 1.1	ug/l	1.1	3.4	4		8260	qh	1/24/2002 / 1/24/2002
Ethylbenzene	< 1.0	ug/l	1.0	3.2	4		8260	qh	1/24/2002 / 1/24/2002
Hexachlorobutadiene	< 1.7	ug/l	1.7	5.3	4		8260	qh	1/24/2002 / 1/24/2002
Isopropyl Ether	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/24/2002 / 1/24/2002
Isopropylbenzene	< 1.3	ug/l	1.3	4.2	4		8260	qh	1/24/2002 / 1/24/2002
m&p-xylene	< 2.1	ug/l	2.1	6.7	4		8260	qh	1/24/2002 / 1/24/2002
Methyl-t-butyl ether	< 1.6	ug/l	1.6	5.0	4		8260	qh	1/24/2002 / 1/24/2002
Methylene chloride	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/24/2002 / 1/24/2002
n-Butylbenzene	< 1.4	ug/l	1.4	4.6	4		8260	qh	1/24/2002 / 1/24/2002
n-Propylbenzene	< 1.1	ug/l	1.1	3.6	4		8260	qh	1/24/2002 / 1/24/2002
Naphthalene	< 3.0	ug/l	3.0	9.5	4		8260	qh	1/24/2002 / 1/24/2002
o-xylene	< 1.0	ug/l	1.0	3.2	4		8260	qh	1/24/2002 / 1/24/2002
p-Isopropyltoluene	< 1.2	ug/l	1.2	3.9	4		8260	qh	1/24/2002 / 1/24/2002
sec-Butylbenzene	< 1.4	ug/l	1.4	4.3	4		8260	qh	1/24/2002 / 1/24/2002
Styrene	< 1.0	ug/l	1.0	3.2	4		8260	qh	1/24/2002 / 1/24/2002
tert-Butylbenzene	< 1.2	ug/l	1.2	3.8	4		8260	qh	1/24/2002 / 1/24/2002
Tetrachloroethene	4.4	ug/l	1.2	3.9	4		8260	qh	1/24/2002 / 1/24/2002
Toluene	< 1.2	ug/l	1.2	3.7	4		8260	qh	1/24/2002 / 1/24/2002
trans-1,2-Dichloroethene	11	ug/l	1.0	3.2	4		8260	qh	1/24/2002 / 1/24/2002
trans-1,3-Dichloropropene	< 1.0	ug/l	1.0	3.3	4		8260	qh	1/24/2002 / 1/24/2002
Trichloroethene	352	ug/l	1.4	4.3	4		8260	qh	1/24/2002 / 1/24/2002
Trichlorofluoromethane	< 0.96	ug/l	0.96	3.1	4		8260	qh	1/24/2002 / 1/24/2002
Vinyl chloride	< 0.80	ug/l	0.80	2.5	4		8260	qh	1/24/2002 / 1/24/2002

Sample Number: 27321
Client ID: 020124

QC Prep Batch Number: 999548

Collection: 1/24/2002 Time: 09:25
Sample Description: WA04Q

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/24/2002 / 1/24/2002
1,1,1-Trichloroethane	22	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethane	4.6	ug/l	0.32	1.0	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/24/2002 / 1/24/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020063**
DATE REPORTED:	28-Jan-02
DATE RECEIVED:	24-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK#1
PROJECT NAME:	MetalsPackageS

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	1/24/2002 / 1/24/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/24/2002 / 1/24/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/24/2002 / 1/24/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/24/2002 / 1/24/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/24/2002 / 1/24/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/24/2002 / 1/24/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/24/2002 / 1/24/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromodichloromethane	3.4	ug/l	0.38	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/24/2002 / 1/24/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/24/2002 / 1/24/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/24/2002 / 1/24/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/24/2002 / 1/24/2002
cis-1,2-Dichloroethene	20	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Dibromochloromethane	1.9	ug/l	0.41	1.3	1		8260	qh	1/24/2002 / 1/24/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/24/2002 / 1/24/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/24/2002 / 1/24/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/24/2002 / 1/24/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/24/2002 / 1/24/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/24/2002 / 1/24/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/24/2002 / 1/24/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/24/2002 / 1/24/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
Tetrachloroethene	0.79	ug/l	0.31	0.99	1	J	8260	qh	1/24/2002 / 1/24/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/24/2002 / 1/24/2002
trans-1,2-Dichloroethene	2.2	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020063**
DATE REPORTED: 28-Jan-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#1
PROJECT NAME: MetalsPackageS

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	1/24/2002 / 1/24/2002
Trichloroethene	117	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	1/24/2002 / 1/24/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	1/24/2002 / 1/24/2002

Sample Number: 27322 QC Prep Batch Number: 999548 Collection: 1/24/2002 Time: 09:35
Client ID: 020124 Sample Description: WA07Q

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	1/24/2002 / 1/24/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	1/24/2002 / 1/24/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	1/24/2002 / 1/24/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	1/24/2002 / 1/24/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	1/24/2002 / 1/24/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	1/24/2002 / 1/24/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	1/24/2002 / 1/24/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	1/24/2002 / 1/24/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	1/24/2002 / 1/24/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	1/24/2002 / 1/24/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020063**
DATE REPORTED: 28-Jan-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#1
PROJECT NAME: MetalsPackageS

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	qh	1/24/2002 / 1/24/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/24/2002 / 1/24/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/24/2002 / 1/24/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/24/2002 / 1/24/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/24/2002 / 1/24/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/24/2002 / 1/24/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/24/2002 / 1/24/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/24/2002 / 1/24/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/24/2002 / 1/24/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/24/2002 / 1/24/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/24/2002 / 1/24/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
Trichloroethene	0.46	ug/l	0.34	1.1	1	J	8260	qh	1/24/2002 / 1/24/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/24/2002 / 1/24/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/24/2002 / 1/24/2002

Sample Number: 27323
Client ID: 020124

QC Prep Batch Number: 999548

Collection: 1/24/2002 Time: 09:40
Sample Description: WA09Q

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/24/2002 / 1/24/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020063**
DATE REPORTED: 28-Jan-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#1
PROJECT NAME: MetalsPackageS

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	1/24/2002 / 1/24/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/24/2002 / 1/24/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/24/2002 / 1/24/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/24/2002 / 1/24/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/24/2002 / 1/24/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/24/2002 / 1/24/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/24/2002 / 1/24/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/24/2002 / 1/24/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/24/2002 / 1/24/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/24/2002 / 1/24/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/24/2002 / 1/24/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/24/2002 / 1/24/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/24/2002 / 1/24/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/24/2002 / 1/24/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/24/2002 / 1/24/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/24/2002 / 1/24/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/24/2002 / 1/24/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/24/2002 / 1/24/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/24/2002 / 1/24/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/24/2002 / 1/24/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020063**
DATE REPORTED: 28-Jan-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#1
PROJECT NAME: MetalsPackageS

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	1/24/2002 / 1/24/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/24/2002 / 1/24/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/24/2002 / 1/24/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/24/2002 / 1/24/2002

Sample Number: 27325 QC Prep Batch Number: 999548 Collection: 1/24/2002 Time:
Client ID: TRIP BLK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/24/2002 / 1/24/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/24/2002 / 1/24/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/24/2002 / 1/24/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/24/2002 / 1/24/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/24/2002 / 1/24/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/24/2002 / 1/24/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/24/2002 / 1/24/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/24/2002 / 1/24/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/24/2002 / 1/24/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/24/2002 / 1/24/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/24/2002 / 1/24/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020063**
DATE REPORTED: 28-Jan-02
DATE RECEIVED: 24-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#1
PROJECT NAME: MetalsPackageS

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	1/24/2002 / 1/24/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/24/2002 / 1/24/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/24/2002 / 1/24/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/24/2002 / 1/24/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/24/2002 / 1/24/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/24/2002 / 1/24/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/24/2002 / 1/24/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/24/2002 / 1/24/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/24/2002 / 1/24/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/24/2002 / 1/24/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/24/2002 / 1/24/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/24/2002 / 1/24/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/24/2002 / 1/24/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/24/2002 / 1/24/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/24/2002 / 1/24/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/24/2002 / 1/24/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/24/2002 / 1/24/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/24/2002 / 1/24/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/24/2002 / 1/24/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/24/2002 / 1/24/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/24/2002 / 1/24/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/24/2002 / 1/24/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/24/2002 / 1/24/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020063**
DATE REPORTED:	28-Jan-02
DATE RECEIVED:	24-Jan-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	WEEK#1
PROJECT NAME:	MetalsPackageS

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:** 1/28/02

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.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020069**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
PROJECT NAME: PILOT TEST

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

Sample Number: 27341
Client ID: 020128

QC Prep Batch Number: 999664

Collection: 1/28/2002 Time: 08:00
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	1/28/2002 / 1/28/2002
1,1,1-Trichloroethane	76	ug/l	1.6	4.9	5		8260	qh	1/28/2002 / 1/28/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/28/2002 / 1/28/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethane	7.0	ug/l	1.6	5.1	5		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2002 / 1/28/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	1/28/2002 / 1/28/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	1/28/2002 / 1/28/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/28/2002 / 1/28/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/28/2002 / 1/28/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	1/28/2002 / 1/28/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	1/28/2002 / 1/28/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/28/2002 / 1/28/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	1/28/2002 / 1/28/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	1/28/2002 / 1/28/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2002 / 1/28/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/28/2002 / 1/28/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	1/28/2002 / 1/28/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	1/28/2002 / 1/28/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/28/2002 / 1/28/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	1/28/2002 / 1/28/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/28/2002 / 1/28/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	1/28/2002 / 1/28/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	1/28/2002 / 1/28/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	1/28/2002 / 1/28/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	1/28/2002 / 1/28/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	1/28/2002 / 1/28/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	1/28/2002 / 1/28/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	1/28/2002 / 1/28/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	1/28/2002 / 1/28/2002
cis-1,2-Dichloroethene	50	ug/l	1.4	4.3	5		8260	qh	1/28/2002 / 1/28/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	1/28/2002 / 1/28/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	1/28/2002 / 1/28/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020069
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
PROJECT NAME: PILOT TEST

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	qh	1/28/2002 / 1/28/2002
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	1/28/2002 / 1/28/2002
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	1/28/2002 / 1/28/2002
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	1/28/2002 / 1/28/2002
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2002 / 1/28/2002
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	1/28/2002 / 1/28/2002
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	1/28/2002 / 1/28/2002
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	1/28/2002 / 1/28/2002
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2002 / 1/28/2002
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	1/28/2002 / 1/28/2002
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	1/28/2002 / 1/28/2002
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	1/28/2002 / 1/28/2002
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	1/28/2002 / 1/28/2002
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	1/28/2002 / 1/28/2002
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	1/28/2002 / 1/28/2002
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	1/28/2002 / 1/28/2002
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	1/28/2002 / 1/28/2002
Tetrachloroethene	4.1	ug/l	1.6	4.9	5	J	8260	qh	1/28/2002 / 1/28/2002
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	1/28/2002 / 1/28/2002
trans-1,2-Dichloroethene	<1.3	ug/l	1.3	4.0	5		8260	qh	1/28/2002 / 1/28/2002
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	qh	1/28/2002 / 1/28/2002
Trichloroethene	283	ug/l	1.7	5.4	5		8260	qh	1/28/2002 / 1/28/2002
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	qh	1/28/2002 / 1/28/2002
Vinyl chloride	<1.0	ug/l	1.0	3.2	5		8260	qh	1/28/2002 / 1/28/2002

Sample Number: 27343
Client ID: 020128

QC Prep Batch Number: 999664

Collection: 1/28/2002 Time: 08:07
Sample Description: WA04Q

1,1,1,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	2		8260	qh	1/28/2002 / 1/28/2002
1,1,1-Trichloroethane	19	ug/l	0.62	2.0	2		8260	qh	1/28/2002 / 1/28/2002
1,1,2,2-Tetrachloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	1/28/2002 / 1/28/2002
1,1,2-Trichloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethane	<0.64	ug/l	0.64	2.0	2		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethene	<0.68	ug/l	0.68	2.2	2		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloropropene	<0.86	ug/l	0.86	2.7	2		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichlorobenzene	<1.0	ug/l	1.0	3.2	2		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichloropropane	<1.0	ug/l	1.0	3.2	2		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trichlorobenzene	<0.94	ug/l	0.94	3.0	2		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trimethylbenzene	<0.60	ug/l	0.60	1.9	2		8260	qh	1/28/2002 / 1/28/2002
1,2-Dibromoethane	<0.92	ug/l	0.92	2.9	2		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichlorobenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloroethane	<0.70	ug/l	0.70	2.2	2		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloropropane	<0.64	ug/l	0.64	2.0	2		8260	qh	1/28/2002 / 1/28/2002
1,3,5-Trimethylbenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	1/28/2002 / 1/28/2002

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

WDNR# 241340550

BATCH NUMBER: **20020069**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
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	< 0.52	ug/l	0.52	1.7	2		8260	qh	1/28/2002 / 1/28/2002
1,3-Dichloropropane	< 0.78	ug/l	0.78	2.5	2		8260	qh	1/28/2002 / 1/28/2002
1,4-Dichlorobenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	1/28/2002 / 1/28/2002
12Dibromo-3-chloropropan	< 0.66	ug/l	0.66	2.1	2		8260	qh	1/28/2002 / 1/28/2002
2,2-Dichloropropane	< 0.54	ug/l	0.54	1.7	2		8260	qh	1/28/2002 / 1/28/2002
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	2		8260	qh	1/28/2002 / 1/28/2002
2-Chloroethyl Vinyl Ether	< 1.4	ug/l	1.4	4.5	2		8260	qh	1/28/2002 / 1/28/2002
2-Chlorotoluene	< 0.60	ug/l	0.60	1.9	2		8260	qh	1/28/2002 / 1/28/2002
4-Chlorotoluene	< 0.52	ug/l	0.52	1.7	2		8260	qh	1/28/2002 / 1/28/2002
4-Methyl-2-Pentanone	< 1.6	ug/l	1.6	5.1	2		8260	qh	1/28/2002 / 1/28/2002
Acetone	< 3.1	ug/l	3.1	9.9	2		8260	qh	1/28/2002 / 1/28/2002
Benzene	< 0.54	ug/l	0.54	1.7	2		8260	qh	1/28/2002 / 1/28/2002
Bromobenzene	< 0.62	ug/l	0.62	2.0	2		8260	qh	1/28/2002 / 1/28/2002
Bromochloromethane	< 0.74	ug/l	0.74	2.4	2		8260	qh	1/28/2002 / 1/28/2002
Bromodichloromethane	< 0.76	ug/l	0.76	2.4	2		8260	qh	1/28/2002 / 1/28/2002
Bromoform	< 0.78	ug/l	0.78	2.5	2		8260	qh	1/28/2002 / 1/28/2002
Bromomethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	1/28/2002 / 1/28/2002
Carbon tetrachloride	< 0.54	ug/l	0.54	1.7	2		8260	qh	1/28/2002 / 1/28/2002
Chlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	1/28/2002 / 1/28/2002
Chloroethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	1/28/2002 / 1/28/2002
Chloroform	< 0.48	ug/l	0.48	1.5	2		8260	qh	1/28/2002 / 1/28/2002
Chloromethane	< 0.98	ug/l	0.98	3.1	2		8260	qh	1/28/2002 / 1/28/2002
cis-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	2		8260	qh	1/28/2002 / 1/28/2002
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	2		8260	qh	1/28/2002 / 1/28/2002
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	2		8260	qh	1/28/2002 / 1/28/2002
Dibromomethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	1/28/2002 / 1/28/2002
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	2		8260	qh	1/28/2002 / 1/28/2002
Ethylbenzene	< 0.50	ug/l	0.50	1.6	2		8260	qh	1/28/2002 / 1/28/2002
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	2		8260	qh	1/28/2002 / 1/28/2002
Isopropyl Ether	< 0.60	ug/l	0.60	1.9	2		8260	qh	1/28/2002 / 1/28/2002
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	2		8260	qh	1/28/2002 / 1/28/2002
m&p-xylene	< 1.1	ug/l	1.1	3.4	2		8260	qh	1/28/2002 / 1/28/2002
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	2		8260	qh	1/28/2002 / 1/28/2002
Methylene chloride	< 0.60	ug/l	0.60	1.9	2		8260	qh	1/28/2002 / 1/28/2002
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	1/28/2002 / 1/28/2002
n-Propylbenzene	< 0.56	ug/l	0.56	1.8	2		8260	qh	1/28/2002 / 1/28/2002
Naphthalene	< 1.5	ug/l	1.5	4.8	2		8260	qh	1/28/2002 / 1/28/2002
o-xylene	< 0.50	ug/l	0.50	1.6	2		8260	qh	1/28/2002 / 1/28/2002
p-Isopropyltoluene	< 0.62	ug/l	0.62	2.0	2		8260	qh	1/28/2002 / 1/28/2002
sec-Butylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	1/28/2002 / 1/28/2002
Styrene	< 0.50	ug/l	0.50	1.6	2		8260	qh	1/28/2002 / 1/28/2002
tert-Butylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	1/28/2002 / 1/28/2002
Tetrachloroethene	< 0.62	ug/l	0.62	2.0	2		8260	qh	1/28/2002 / 1/28/2002
Toluene	< 0.58	ug/l	0.58	1.8	2		8260	qh	1/28/2002 / 1/28/2002
trans-1,2-Dichloroethene	< 0.50	ug/l	0.50	1.6	2		8260	qh	1/28/2002 / 1/28/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020069**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
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	< 0.52	ug/l	0.52	1.7	2		8260	qh	1/28/2002 / 1/28/2002
Trichloroethene	98	ug/l	0.68	2.2	2		8260	qh	1/28/2002 / 1/28/2002
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	2		8260	qh	1/28/2002 / 1/28/2002
Vinyl chloride	< 0.40	ug/l	0.40	1.3	2		8260	qh	1/28/2002 / 1/28/2002

Sample Number: 27345
Client ID: 020128

QC Prep Batch Number: 999664

Collection: 1/28/2002 Time: 08:12
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/28/2002 / 1/28/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2002 / 1/28/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2002 / 1/28/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2002 / 1/28/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2002 / 1/28/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2002 / 1/28/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/28/2002 / 1/28/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/28/2002 / 1/28/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/28/2002 / 1/28/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/28/2002 / 1/28/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/28/2002 / 1/28/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/28/2002 / 1/28/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020069
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
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	1/28/2002 / 1/28/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	1/28/2002 / 1/28/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	1/28/2002 / 1/28/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2002 / 1/28/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	1/28/2002 / 1/28/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2002 / 1/28/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	1/28/2002 / 1/28/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2002 / 1/28/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	1/28/2002 / 1/28/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	1/28/2002 / 1/28/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	1/28/2002 / 1/28/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2002 / 1/28/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	1/28/2002 / 1/28/2002

Sample Number: 27347
Client ID: 020128

QC Prep Batch Number: 999664

Collection: 1/28/2002 Time: 08:15
Sample Description: WA08P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	1/28/2002 / 1/28/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2002 / 1/28/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002

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

WDNR# 241340550

BATCH NUMBER: 20020069
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
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	1/28/2002 / 1/28/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2002 / 1/28/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2002 / 1/28/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2002 / 1/28/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2002 / 1/28/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/28/2002 / 1/28/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/28/2002 / 1/28/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/28/2002 / 1/28/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/28/2002 / 1/28/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/28/2002 / 1/28/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/28/2002 / 1/28/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2002 / 1/28/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/28/2002 / 1/28/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/28/2002 / 1/28/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2002 / 1/28/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/28/2002 / 1/28/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2002 / 1/28/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/28/2002 / 1/28/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2002 / 1/28/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/28/2002 / 1/28/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/28/2002 / 1/28/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020069**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
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	1/28/2002 / 1/28/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/28/2002 / 1/28/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2002 / 1/28/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/28/2002 / 1/28/2002

Sample Number: 27348 QC Prep Batch Number: 999664 Collection: 1/28/2002 Time: 08:17
Client ID: 020128 Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/28/2002 / 1/28/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2002 / 1/28/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/28/2002 / 1/28/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/28/2002 / 1/28/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/28/2002 / 1/28/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2002 / 1/28/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2002 / 1/28/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2002 / 1/28/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/28/2002 / 1/28/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/28/2002 / 1/28/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/28/2002 / 1/28/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/28/2002 / 1/28/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/28/2002 / 1/28/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020069**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
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	1/28/2002 / 1/28/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/28/2002 / 1/28/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/28/2002 / 1/28/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2002 / 1/28/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/28/2002 / 1/28/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/28/2002 / 1/28/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/28/2002 / 1/28/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/28/2002 / 1/28/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/28/2002 / 1/28/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/28/2002 / 1/28/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/28/2002 / 1/28/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/28/2002 / 1/28/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/28/2002 / 1/28/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	1/28/2002 / 1/28/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	1/28/2002 / 1/28/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/28/2002 / 1/28/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/28/2002 / 1/28/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	1/28/2002 / 1/28/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/28/2002 / 1/28/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/28/2002 / 1/28/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/28/2002 / 1/28/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/28/2002 / 1/28/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	1/28/2002 / 1/28/2002

Sample Number: 27350
Client ID: TRIP BLK

QC Prep Batch Number: 999669

Collection: 1/28/2002 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	1/30/2002 / 1/28/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/30/2002 / 1/28/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/30/2002 / 1/28/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	1/30/2002 / 1/28/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/30/2002 / 1/28/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/30/2002 / 1/28/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020069**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
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	qh	1/30/2002 / 1/28/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	1/30/2002 / 1/28/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	1/30/2002 / 1/28/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	1/30/2002 / 1/28/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/30/2002 / 1/28/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/30/2002 / 1/28/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/30/2002 / 1/28/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	1/30/2002 / 1/28/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	1/30/2002 / 1/28/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	1/30/2002 / 1/28/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/30/2002 / 1/28/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/30/2002 / 1/28/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/30/2002 / 1/28/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/30/2002 / 1/28/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/30/2002 / 1/28/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	1/30/2002 / 1/28/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	1/30/2002 / 1/28/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/30/2002 / 1/28/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/30/2002 / 1/28/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	1/30/2002 / 1/28/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	1/30/2002 / 1/28/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/30/2002 / 1/28/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	1/30/2002 / 1/28/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/30/2002 / 1/28/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	1/30/2002 / 1/28/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/30/2002 / 1/28/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	1/30/2002 / 1/28/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/30/2002 / 1/28/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	1/30/2002 / 1/28/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	1/30/2002 / 1/28/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	1/30/2002 / 1/28/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	1/30/2002 / 1/28/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/30/2002 / 1/28/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	1/30/2002 / 1/28/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	1/30/2002 / 1/28/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	1/30/2002 / 1/28/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	1/30/2002 / 1/28/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	1/30/2002 / 1/28/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	1/30/2002 / 1/28/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/30/2002 / 1/28/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	1/30/2002 / 1/28/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	1/30/2002 / 1/28/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	1/30/2002 / 1/28/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	1/30/2002 / 1/28/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	1/30/2002 / 1/28/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020069**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
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	qh	1/30/2002 / 1/28/2002
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	1/30/2002 / 1/28/2002
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	1/30/2002 / 1/28/2002
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	1/30/2002 / 1/28/2002
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/30/2002 / 1/28/2002
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	1/30/2002 / 1/28/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	1/30/2002 / 1/28/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	1/30/2002 / 1/28/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	1/30/2002 / 1/28/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	1/30/2002 / 1/28/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	1/30/2002 / 1/28/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	1/30/2002 / 1/28/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	1/30/2002 / 1/28/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	1/30/2002 / 1/28/2002

Approved By: _____ **Date:** 2-25-02
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 20020069
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
PROJECT NAME: PILOT TEST

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

Sample Number: 27340 Matrix: GW
Client ID: **020128**
Collection: 1/28/2002 Time: 08:00
Sample Description: WA09R

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	tm	2/5/2002	999682	
Barium - ICAP	0.08	mg/l		RJ	0.007	0.02	200.7	ez	1/31/2002	999589	
Cadmium - Furnace AA	<0.4	ug/l		RJ	0.4	1.3	213.2	tm	2/6/2002	999683	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	ez	1/31/2002	999589	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	ez	1/31/2002	999589	
Iron - ICAP	<0.081	mg/l		RJ	0.081	0.26	200.7	ez	1/31/2002	999589	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	bb	2/6/2002	999618	
Manganese - ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	ez	1/31/2002	999589	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	bb	1/31/2002	999588	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	ez	1/31/2002	999589	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	bb	2/5/2002	999659	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	ez	1/31/2002	999589	
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	tm	2/7/2002	999684	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	ez	1/31/2002	999589	

Sample Number: 27341 Matrix: GW
Client ID: **020128**
Collection: 1/28/2002 Time: 08:00
Sample Description: WA01P

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	tm	2/5/2002	999682	
Barium - ICAP	0.09	mg/l		RJ	0.007	0.02	200.7	ez	1/31/2002	999589	
Cadmium - Furnace AA	<0.4	ug/l		RJ	0.4	1.3	213.2	tm	2/6/2002	999683	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	ez	1/31/2002	999589	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	ez	1/31/2002	999589	
Iron - ICAP	0.9	mg/l		RJ	0.081	0.26	200.7	ez	1/31/2002	999589	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	bb	2/6/2002	999618	
Manganese - ICAP	0.13	mg/l		RJ	0.006	0.02	200.7	ez	1/31/2002	999589	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	bb	1/31/2002	999588	
Nickel - ICAP	0.02	mg/l	J	RJ	0.011	0.03	200.7	ez	1/31/2002	999589	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	bb	2/5/2002	999659	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	ez	1/31/2002	999589	
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	tm	2/7/2002	999684	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	ez	1/31/2002	999589	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020069
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
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	1/22/2002	*999598*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	2/20/2002	*999794*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	2/4/2002	*999661*	
pH (water)	**6.9**	**s.u.**	**# RJ**			150.1	dn	2/4/2002	*999574*	

Sample Number: 27342 Matrix: GW
Client ID: **020128**
Collection: 1/28/2002 Time: 08:00
Sample Description: WA01Q

Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	1/31/2002	*999589*	
pH (water)	**7**	**s.u.**	**# RJ**			150.1	dn	2/4/2002	*999574*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	mk	2/5/2002	*999608*	

Sample Number: 27343 Matrix: GW
Client ID: **020128**
Collection: 1/28/2002 Time: 08:07
Sample Description: WA04Q

Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	1/31/2002	*999589*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	2/4/2002	*999661*	
pH (water)	**7.4**	**s.u.**	**# RJ**			150.1	dn	2/4/2002	*999574*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	mk	2/5/2002	*999608*	

Sample Number: 27344 Matrix: GW
Client ID: **020128**
Collection: 1/28/2002 Time: 08:10
Sample Description: WA05P

pH (water)	**7.4**	**s.u.**	**# RJ**			150.1	dn	2/4/2002	*999574*	

Sample Number: 27346 Matrix: GW
Client ID: **020128**
Collection: 1/28/2002 Time: 08:12
Sample Description: WA07Q

Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	1/31/2002	*999589*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	2/4/2002	*999661*	
pH (water)	**8.1**	**s.u.**	**# RJ**			150.1	dn	2/4/2002	*999574*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	mk	2/5/2002	*999608*	

Sample Number: 27348 Matrix: GW
Client ID: **020128**
Collection: 1/28/2002 Time: 08:17
Sample Description: WA09P

Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	1/22/2002	*999598*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	2/20/2002	*999794*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020069**
DATE REPORTED: 25-Feb-02
DATE RECEIVED: 28-Jan-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK#2
PROJECT NAME: PILOT TEST

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Milwaukee , WI 53223

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	2/20/2002	*999792*	
pH (water)	**7.9**	**s.u.**	**# RJ**			150.1	dn	2/4/2002	*999574*	
Sample Number: 27349		Matrix: GW						Collection: 1/28/2002		Time: 08:17
Client ID: **020128**								Sample Description: WA09Q		
pH (water)	**7.9**	**s.u.**	**# RJ**			150.1	dn	2/4/2002	*999574*	

Approved By: Jm Chang/m **Date:** 2/25/02
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.