FOR AUGUST 2002

MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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

September 15, 2002

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for August, 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 Sharonne Baylor of the U.S. Army Corps of Engineers (USACE). Ms. Baylor's telephone number is (507) 454-6150, Fax (507) 454-4963, or Sharonne.N.Baylor@mvp02.usace.army.mil. 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, or jschang@aaahawk.com.

1.2 Project Objectives

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

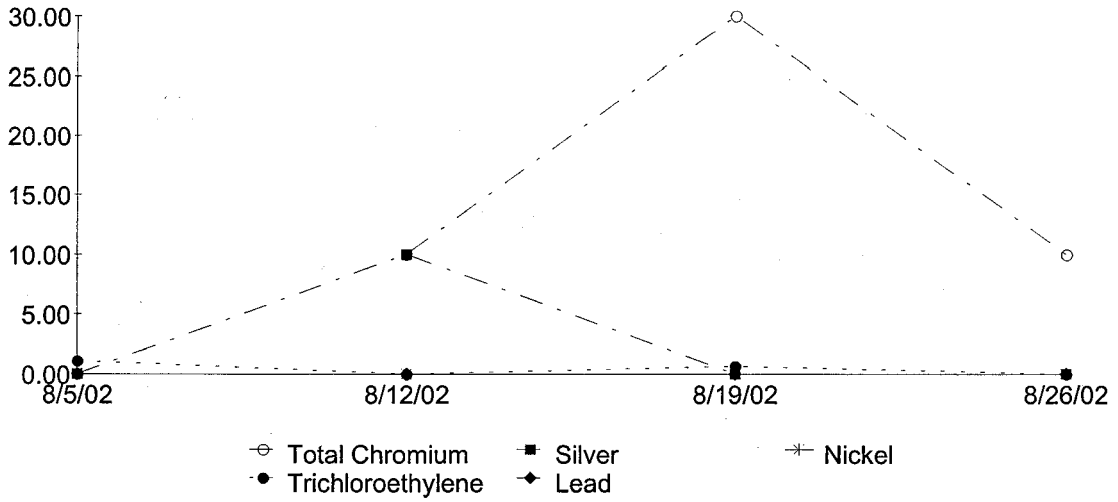
1.3 Effluent Monitoring

Weekly monitoring was conducted on August 5, 12, 19, and 26. The weekly samples for August were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in August showed exceedences of Trichloroethylene, Lead, Nickel, and Total Chromium from the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

The results of the August 5 and 19 weekly sampling rounds showed exceedences in Trichloroethylene (TCE) of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96).* Paul Kozol, Project Manager from the WDNR, was notified about the exceedences of Trichloroethylene from the August 5 sampling. The August 5 Trichloroethylene result was 1.1 ug/l and the permit limit is 0.5 ug/l. The result of the re-test for Trichloroethylene was 0.91 ug/l for the August 5 sampling. Mr. Kozol allowed the treatment plant to continue operating based on the August 12 sampling result for Trichloroethylene was "Less than the Level of Detection." The August 19 Trichloroethylene result was 0.65 ug/l and the permit limit is 0.5 ug/l. Mr. Kozol allowed the treatment plant to continue operating based on the fact that the entire Diffused Air Stripper (DAS-500) was dismantled, cleaned, and modified. The August 26 sampling result for Trichloroethylene was "Less than the Level of Detection."

Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Nickel from the August 12 sampling. The August 12 result of Nickel was 140 ug/l. The permit limit for Nickel is 20 ug/l. The August 12 sample was re-tested for Nickel and the result of the re-test for Nickel was "Less Than the Level of Detection" (<11 ug/l).

Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Total Chromium from the August 19 sampling. The August 19 result of Total Chromium was 30 ug/l. The permit limit for Total Chromium is 10 ug/l. The August 19 sample was re-tested for Total Chromium and the result of the re-test for Total Chromium was 30 ug/l. Mr. Kozol allowed the treatment plant to continue operating based on both results fell between the lab's Level of Detection (8 ug/l) and Level of Quantitation (30 ug/l) and the August 26 sample resulted in

"Less Than the Level of Detection" (<8 ug/l). Mr. Kozol stated that if the analyses show that the exceedences are continuing, then more drastic measures will need to be taken.

Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Lead from the August 5 sampling. The August 5 result of Lead was 1.6 ug/l. The permit limit for Lead is 1.5 ug/l. The August 5 sample was re-tested for Lead and the result of the re-test for Lead was "Less Than the Level of Detection" (<1.5 ug/l).

3.0 Treatment Plant Shut Downs

The Treatment Plant had no down time during the month of August, 2002.

4.0 Sludge Press Operations

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

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on August 5, 12, 19, and 26 of 2002. The laboratory results of these samples showed that there were exceedences in Lead, Trichloroethylene, Nickel, and Total Chromium from the limits listed in the requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of August, 2002, the plant was not shut down.

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	8-05-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.2	7.7	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	90	NT	NT	NT	100	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.007	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2/<4.2	Monitor	
Chromium Total	9	NT	NT	NT	<8	10	
Copper	280	NT	NT	NT	420	Monitor	
Iron	860	NT	NT	NT	290	Monitor	
Lead	1.8	NT	NT	NT	1.6/<1.5	1.5	**
Manganese	120	NT	NT	NT	20	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	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	90	NT	NT	NT	450	Monitor	
Cyanide	10	NT	NT	NT	<6/<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6/<6	Monitor	
1,1-Dichloroethane	8.8	NT	<0.32	NT	<0.32/<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35/<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	NT	<0.34/<0.34	0.7	
1,2-Dichloroethene Cis	20	NT	2.5	NT	<0.27/<0.27	7	
1,2-Dichloroethene Trans	2.7	NT	0.36	NT	<0.25/<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	NT	<0.25/<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	NT	<0.3/<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	NT	<0.31/<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29/<0.29	68	
1,1,1-Trichloroethane	46	NT	0.53	NT	<0.31/<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44/<0.44	0.5	
TCE	168	NT	8.9	NT	1.1/0.91	0.5	**
Vinyl Chloride	<1	NT	0.21	NT	<0.2/<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53/<0.53	124	
Chlorine, Total	>200	NT	NT	NT	<40	38	*
COD	11	NT	NT	NT	<5.7	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	0.12	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	2.6	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.12	Monitor	mg/l

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

* Chlorine, Total = Weekly average.
** Exceedences-requested retesting to verify result. Second number.
Sample Point "Effluent Grab Sample" was duplicated (second result).

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	8-12-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	7.4	N/A	N/A	7.7	Monitor	
TSS	NT	NT	NT	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	20	NT	NT	NT	10	10	
Copper	10	NT	NT	NT	10	Monitor	
Iron	960	NT	NT	NT	260	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	130	NT	NT	NT	20	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	50	NT	NT	NT	140/<11	20	**
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	10	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	40	NT	NT	NT	100	Monitor	
Cyanide	20	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	8.3	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	24	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	9	NT	<0.25	NT	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	NT	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	NT	<0.3	0.5	
Tetrachloroethene	2.3	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	51	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	247	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	1.2	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	20	<40	38	*
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

* Chlorine, Total = Weekly average.
** Exceedences--requested retesting to verify results. Second number.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	6-19-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	7.3	N/A	N/A	7.9	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	140	NT	NT	NT	130	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	30	NT	NT	NT	30/30	10	**
Copper	770	NT	NT	NT	570	Monitor	
Iron	1400	NT	NT	NT	210	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	60	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	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	220	NT	NT	NT	210	Monitor	
Cyanide	<6	NT	NT	NT	20	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	<1.6	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	23	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	NT	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	NT	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	NT	<0.3	0.5	
Tetrachloroethene	2.2	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	43	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	246	NT	2.5	NT	0.65	0.5	***
Vinyl Chloride	1.6	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	109	29	38	*
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

* Chlorine, Total = Weekly average.
** Exceedence--requested retesting to verify results. Second number.
*** TCE Exceedence--Paul Kozol, WDNR, did not require retesting based on the result is between the Level of Detection (0.34 ug/l) and the Level of Quantitation (1.1 ug/l), that the Diffused Air Stripper had been completely cleaned and modified, and that the August 26th result was <0.34 ug/l.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	8-26-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	7.4	N/A	N/A	7.8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	100	NT	NT	NT	90	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	30	NT	NT	NT	10	10	
Copper	540	NT	NT	NT	490	Monitor	
Iron	1500	NT	NT	NT	150	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	130	NT	NT	NT	30	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	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	870	NT	NT	NT	570	Monitor	
Cyanide	20	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	<1.6	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	18	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	NT	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	NT	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	NT	<0.3	0.5	
Tetrachloroethene	2.5	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	46	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	236	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	1.9	NT	0.34	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	>151	>46	38	*
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

* Chlorine, Total = Weekly average.
** Exceedences--requested retesting to verify results. Second number.

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: AUG. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,363,951.00	33,196.00	0.033	
2	2,397,147.00	27,012.00	0.027	
3	2,424,159.00	32,335.00	0.032	
4	2,456,494.00	42,494.00	0.042	
5	2,498,988.00	33,843.00	0.034	
6	2,532,831.00	33,551.00	0.034	
7	2,566,382.00	33,669.00	0.034	
8	2,600,051.00	31,883.00	0.032	
9	2,631,934.00	24,505.00	0.025	
10	2,656,439.00	34,346.00	0.034	
11	2,690,785.00	40,302.00	0.040	
12	2,731,087.00	29,992.00	0.030	
13	2,761,079.00	35,161.00	0.035	SHUT DOWN
14	2,796,240.00	33,264.00	0.033	SHUT DOWN
15	2,829,504.00	32,260.00	0.032	EW-1 FAILED
16	2,861,764.00	25,598.00	0.026	
17	2,887,362.00	35,912.00	0.036	
18	2,923,274.00	44,659.00	0.045	
19	2,967,933.00	34,677.00	0.035	
20	3,002,610.00	34,445.00	0.034	
21	3,037,055.00	34,727.00	0.035	
22	3,071,782.00	32,723.00	0.033	
23	3,104,505.00	25,740.00	0.026	
24	3,130,245.00	35,984.00	0.036	
25	3,166,229.00	43,369.00	0.043	
26	3,209,598.00	31,911.00	0.032	
27	3,241,509.00	38,579.00	0.039	
28	3,280,088.00	34,547.00	0.035	
29	3,314,635.00	31,234.00	0.031	
30	3,345,869.00	25,439.00	0.025	
31	3,371,308.00	29,701.00	0.030	
September 01	3,401,009.00			
		TOTAL	1.036	
		AVERAGE	0.033	

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: AUG. DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	7,661,635.10	33,198.00	0.033	
2	7,694,833.10	26,114.20	0.026	
3	7,720,947.30	33,151.20	0.033	
4	7,754,098.50	42,864.80	0.043	
5	7,796,963.10	33,948.00	0.034	
6	7,830,911.10	32,021.00	0.032	
7	7,862,932.10	34,446.00	0.034	
8	7,897,378.10	33,296.00	0.033	
9	7,930,674.10	23,864.00	0.024	
10	7,954,538.10	34,244.20	0.034	
11	7,988,782.30	40,964.80	0.041	
12	8,029,747.10	30,598.00	0.031	
13	8,060,345.10	34,742.00	0.035	SHUT DOWN
14	8,095,087.10	33,304.00	0.033	SHUT DOWN
15	8,128,391.10	33,460.00	0.033	EW-1 FAILED
16	8,161,851.10	24,609.00	0.025	
17	8,186,460.10	36,281.80	0.036	
18	8,222,741.90	44,451.20	0.044	
19	8,267,193.10	34,815.00	0.035	
20	8,302,008.10	34,380.00	0.034	
21	8,336,388.10	34,957.00	0.035	
22	8,371,345.10	33,656.00	0.034	
23	8,405,001.10	25,351.00	0.025	
24	8,430,352.10	35,371.00	0.035	
25	8,465,723.10	44,205.00	0.044	
26	8,509,928.10	31,613.00	0.032	
27	8,541,541.10	39,101.00	0.039	
28	8,580,642.10	34,214.00	0.034	
29	8,614,856.10	32,389.00	0.032	
30	8,647,245.10	23,608.30	0.024	
31	8,670,853.40	31,447.70	0.031	
September 01	8,702,301.10			
		TOTAL	1.038	
		AVERAGE	0.033	

FLOW FROM EQT-100

YEAR: 2002			
MONTH: AUG. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	4,727,295.00	38,442.00	0.038
2	4,765,737.00	30,197.00	0.030
3	4,795,934.00	36,326.00	0.036
4	4,832,260.00	47,972.00	0.048
5	4,880,232.00	38,882.00	0.039
6	4,919,114.00	36,584.00	0.037
7	4,955,698.00	38,003.00	0.038
8	4,993,701.00	38,688.00	0.039
9	5,032,389.00	29,415.00	0.029
10	5,061,804.00	36,095.00	0.036
11	5,097,899.00	46,286.00	0.046
12	5,144,185.00	39,811.00	0.040
13	5,183,996.00	37,530.00	0.038
14	5,221,526.00	41,279.00	0.041
15	5,262,805.00	35,075.00	0.035
16	5,297,880.00	29,129.00	0.029
17	5,327,009.00	41,486.00	0.041
18	5,368,495.00	51,267.00	0.051
19	5,419,762.00	40,002.00	0.040
20	5,459,764.00	39,967.00	0.040
21	5,499,731.00	39,955.00	0.040
22	5,539,686.00	37,140.00	0.037
23	5,576,826.00	29,513.00	0.030
24	5,606,339.00	44,148.00	0.044
25	5,650,487.00	48,728.00	0.049
26	5,699,215.00	35,018.00	0.035
27	5,734,233.00	44,056.00	0.044
28	5,778,289.00	42,753.00	0.043
29	5,821,042.00	38,125.00	0.038
30	5,859,167.00	31,994.00	0.032
31	5,891,161.00	32,923.00	0.033
September 01	5,924,084.00		
		TOTAL	1.196
		AVERAGE	0.039

EFFLUENT FLOW FROM PLANT

YEAR: 2002			
MONTH: AUG. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	6,121,593.00	33,097.00	0.033
2	6,154,690.00	28,551.00	0.029
3	6,183,241.00	35,065.00	0.035
4	6,218,306.00	41,747.00	0.042
5	6,260,053.00	35,898.00	0.036
6	6,295,951.00	32,409.00	0.032
7	6,328,360.00	33,861.00	0.034
8	6,362,221.00	36,254.00	0.036
9	6,398,475.00	28,674.00	0.029
10	6,427,149.00	31,968.00	0.032
11	6,459,117.00	42,397.00	0.042
12	6,501,514.00	33,504.00	0.034
13	6,535,018.00	31,644.00	0.032
14	6,566,662.00	39,790.00	0.040
15	6,606,452.00	30,595.00	0.031
16	6,637,047.00	27,845.00	0.028
17	6,664,892.00	38,570.00	0.039
18	6,703,462.00	44,378.00	0.044
19	6,747,840.00	36,797.00	0.037
20	6,784,637.00	34,067.00	0.034
21	6,818,704.00	37,293.00	0.037
22	6,855,997.00	31,240.00	0.031
23	6,887,237.00	27,717.00	0.028
24	6,914,954.00	42,525.00	0.043
25	6,957,479.00	42,909.00	0.043
26	7,000,388.00	29,482.00	0.029
27	7,029,870.00	38,822.00	0.039
28	7,068,692.00	38,030.00	0.038
29	7,106,722.00	27,447.00	0.027
30	7,134,169.00	29,614.00	0.030
31	7,163,783.00	30,925.00	0.031
September 01	7,194,708.00		
		TOTAL	1.075
		AVERAGE	0.035

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
January 4, 2002	4.72	4.27	5.64	4.07	10.11	3.39
February 6-7, 2002	5.11	4.51	5.98	4.31	10.39	3.59
March 28, 2002	4.19	3.07	5.05	3.03	9.67	2.78
April 9 & 11, 2002	3.1	1.99	4.16	2.84	8.68	2.19
May 01, 2002	4.16	3.09	4.9	2.71	6.66	2.68
June 3-6, 2002	3.9	2.6	4.24	2.02	9.33	2.4
July 02, 2002	4.91	3.88	5.63	3.67	10.55	4.01
August 01, 2002	5.96	4.89	6.49	4.98	11.57	5.04

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW01DP	MW01SP	MW02SP	MW03DP	MW04DP	MW04SP
January 04, 2002	6.71	6.28	DRY	8.47	9.2	7.81
February 6-7, 2002	7.05	6.49	DRY	8.55	9.45	7.95
March 28, 2002	5.5	5.37	5.97	8.97	7.53	6.83
April 09, 2002	5.59	4.56	3.93	7	6.39	5.1
May 01, 2002	5.25	5.12	5.83	7.93	7.12	6.44
June 03, 2002	5.78	4.61	2.77	7.73	7.76	6.09
July 02, 2002	5.74	6.13	DRY	8.71	8.27	7.55
August 01, 2002	7.12	7.53	DRY	9.83	9.24	8.93

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL		FEET	
DATE	MW02DP	MW03SP	MW05SP	MW05DP	MW06P	MW11BP
January 4, 2002	6.71	DRY	3.98	4.65	DRY	COVERED
February 6-7, 2002	7.03	DRY	DRY	4.82	DRY	COVERED
March 28, 2002	5.90	DRY	3.45	3.95	DRY	COVERED
April 09, 2002	4.91	3.82	2.82	2.6	DRY	COVERED
May 01, 2002	5.91	DRY	3.44	3.97	DRY	COVERED
June 03, 2002	5.42	3.72	2.83	2.42	DRY	COVERED
July 02, 2002	6.73	DRY	4.1	4.75	DRY	COVERED
August 01, 2002	7.82	DRY	DRY	5.89	DRY	COVERED

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL			FEET
DATE	MW07P	MW08P	MW08SP			
January 04, 2002	DRY	4.21	6.32			
February 6-7, 2002	DRY	4.54	6.81			
March 28, 2002	3.9	2.09	5.49			
April 09, 2002	2.99	1.52	4.46			
May 01, 2001	3.77	2.04	5.36			
June 03, 2002	2.95	1.6	4.91			
July 02, 2002	5.03	4.08	6.21			
August 01, 2002	6.31	5.27	7.58			

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	EFFLUENT 7/26/02-8/3/02	INFLUENT 8/2/02-8/10/02
1	LIGHT YELLOW	LIGHT YELLOW
2	LIGHT YELLOW W/BUBBLES	LIGHT YELLOW
3	DARK YELLOW W/BROWN BUBBLES	LIGHT YELLOW
4	DARK YELLOW W/BROWN BUBBLES	LIGHT YELLOW
5	DARK YELLOW W/BROWN BUBBLES	LIGHT YELLOW
6	DARK YELLOW W/BROWN BUBBLES	LIGHT YELLOW W/BUBBLES
7	DARK YELLOW W/BROWN BUBBLES	LIGHT YELLOW W/BROWN BUBBLES
8	DARK YELLOW W/BROWN BUBBLES	LIGHT YELLOW W/BROWN BUBBLES

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	EFFLUENT 8/9/02-8/17/02	EFFLUENT 8/16/02-8/24/02
1	LIGHT YELLOW	LIGHT YELLOW
2	LIGHT YELLOW W/BUBBLES	LIGHT YELLOW
3	DARK YELLOW W/BUBBLES	LIGHT YELLOW W/BUBBLES
4	DARK YELLOW W/BROWN BUBBLES	DARK YELLOW W/YELLOW BUBBLES
5	DARK YELLOW W/BROWN BUBBLES	DARK YELLOW W/BROWN BUBBLES
6	BROWN W/BROWN BUBBLES	DARK YELLOW W/YELLOW BUBBLES
7	BROWN W/BROWN BUBBLES	DARK YELLOW W/YELLOW BUBBLES
8	BROWN W/BROWN BUBBLES	DARK YELLOW W/YELLOW BUBBLES

PRECIPITATION

YEAR: 2002	
MONTH: AUG. DAY	RAINFALL (INCHES)
1	0.00
2	0.00
3	0.00
4	0.50
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	0.51
14	0.42
15	0.00
16	0.00
17	0.00
18	0.24
19	0.25
20	0.00
21	0.00
22	2.20
23	0.40
24	0.00
25	0.00
26	0.00
27	0.00
28	0.00
29	0.00
30	0.00
31	0.00
TOTAL	4.52

OCONOMOWOC GROUNDWATER TREATMENT PLANT				
Weekly Sampling Results			7-15-02	
Parameter	Level of Detection	Level of Quantitation	Sample Result (ug/l)	
Pesticides				
Alpha-BHC	0.1	0.04	<0.04	
Lindane (Gamma BHC)	0.09	0.03	<0.03	
Beta-BHC	0.1	0.04	<0.04	
Delta-BHC	0.1	0.04	<0.04	
Heptachlor	0.09	0.03	<0.03	
Aldrin	0.1	0.04	<0.04	
Heptachlor Epoxide	0.1	0.04	<0.04	
Chlordane	0.09	0.03	<0.03	
4,4'-DDE	0.1	0.04	<0.04	
Endosulfan I	0.09	0.03	<0.03	
Dieldrin	0.1	0.04	<0.04	
Endrin	0.09	0.03	<0.03	
4,4'-DDD	0.1	0.04	<0.04	
Endosulfan II	0.1	0.04	<0.04	
4,4'-DDT	0.1	0.04	<0.04	
Endrin Aldehyde	0.2	0.05	<0.05	
Methoxychlor	0.09	0.04	<0.04	
Endosulfan Sulfate	0.2	0.05	<0.05	
Toxaphene	1.8	0.59	<0.59	
TCMX (Surr)			78%	
DCB (Surr)			88%	
Herbicides				
2,4-D	1.2	0.4	<0.4	
2,4,5-TP (Silvex)	1.1	0.37	<0.37	
DCAA (Surr)			136%	
Parathion	0.003	0.001	<0.001	mg/l

ug/l = Micrograms per Liter.
mg/l=Milligrams 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 **20020565**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 29404	Matrix: GW						Collection: 8/5/2002		Time: 09:10	
Client ID: **WA01P**							Sample Description: 020805			
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	nr	8/7/2002	*1001609*	
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	am	8/15/2002	*1001691*	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	nr	8/8/2002	*1001616*	
Cadmium-Total Recoverable	<0.4	ug/l	RJ	0.4	1.3	7131	am	9/13/2002	*1001922*	
Chromium, Total - ICAP	0.009	mg/l	J RJ	0.008	0.03	200.7	am	8/15/2002	*1001691*	
Copper- ICAP	0.28	mg/l	RJ	0.006	0.02	200.7	am	8/15/2002	*1001691*	
Iron - ICAP	0.86	mg/l	RJ	0.081	0.26	200.7	am	8/15/2002	*1001691*	
Lead - Furnace AA	1.8	ug/l	J RJ	1.5	4.8	239.2	nr	8/8/2002	*1001617*	
Manganese - ICAP	0.12	mg/l	RJ	0.006	0.02	200.7	am	8/15/2002	*1001691*	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	am	8/7/2002	*1001610*	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	am	8/15/2002	*1001691*	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	nr	8/8/2002	*1001626*	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	am	8/15/2002	*1001691*	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	nr	8/15/2002	*1001685*	
Zinc - ICAP	0.09	mg/l	RJ	0.014	0.04	200.7	am	8/15/2002	*1001691*	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	am	10/30/2002	*1002505*	
COD, Total	11	mg/l	J RJ	5.7	18	410.4-CT	am	10/30/2002	*1002506*	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	nr	8/13/2002	*1001642*	
Cyanide, Total	0.01	mg/l	J RJ	0.006	0.02	335.2	nr	8/13/2002	*1001641*	
pH (water)	7.2	s.u.	# RJ			150.1	am	9/13/2002	*1001923*	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540D	nr	8/9/2002	*1001623*	
Sample Number: 29405	Matrix: GW						Collection: 8/5/2002		Time: 09:00	
Client ID: **WA05P**							Sample Description: 020805			
pH (water)	7.7	s.u.	# RJ			150.1	am	9/13/2002	*1001923*	
Sample Number: 29407	Matrix: GW						Collection: 8/5/2002		Time: 08:40	
Client ID: **WA09P**							Sample Description: 020805			
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	am	10/30/2002	*1002505*	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	nr	8/13/2002	*1001642*	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	nr	8/13/2002	*1001641*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020565**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1	am	9/13/2002	*1001923*	
Sample Number: 29408		Matrix: GW						Collection: 8/5/2002		Time: 08:30
Client ID: **WA09R**								Sample Description: 020805		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	nr	9/12/2002	*1001921*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	am	9/10/2002	*1001892*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	nr	9/12/2002	*1001928*	
Cadmium-Total Recoverable	**<0.007**	**ug/l**	**RJ**	0.007	0.02	7131	am	9/12/2002	*1001918*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	am	9/10/2002	*1001892*	
Copper- ICAP	**0.42**	**mg/l**	**RJ**	0.006	0.02	200.7	am	9/10/2002	*1001892*	
Iron - ICAP	**0.29**	**mg/l**	**RJ**	0.081	0.26	200.7	am	9/10/2002	*1001892*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	nr	9/12/2002	*1001927*	
Manganese - ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	am	9/10/2002	*1001892*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	am	9/11/2002	*1001914*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	am	9/10/2002	*1001892*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	nr	9/13/2002	*1001931*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	am	9/10/2002	*1001892*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	nr	9/13/2002	*1001932*	
Zinc - ICAP	**0.45**	**mg/l**	**RJ**	0.014	0.04	200.7	am	9/10/2002	*1001892*	
COD, Total	**<5.7**	**mg/l**	**RJ**	5.7	18	410.4-CT	am	10/30/2002	*1002506*	
Nitrate + Nitrite Nitrogen	**2.6**	**mg/l**	**RJ**	0.024	0.08	353.3	am	10/30/2002		
Nitrogen, Ammonia	**0.12**	**mg/l**	***J* RJ**	0.1	0.32	350.1	am	10/30/2002	*1002040*	
Phosphorus, Total	**0.12**	**mg/l**	***J* RJ**	0.1	0.32	365.2	am	10/30/2002	*1002513*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	nr	8/9/2002	*1001623*	
Sample Number: 29410		Matrix: GW						Collection: 8/5/2002		Time: 08:40
Client ID: **WA09Q**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	am	10/30/2002	*1002505*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	nr	8/13/2002	*1001642*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	nr	8/13/2002	*1001641*	
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1	am	9/13/2002	*1001923*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020565
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

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

Approved By: James Chang/AB **Date:** 10/30/02
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
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020565**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Sample Number: 29404
Client ID: WA01P

QC Prep Batch Number: 001625

Collection: 8/5/2002 Time: 09:10
Sample Description: 020805

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	8/7/2002 / 8/7/2002
1,1,1-Trichloroethane	46	ug/l	1.6	4.9	5		8260	qh	8/7/2002 / 8/7/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/7/2002 / 8/7/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethane	8.8	ug/l	1.6	5.1	5		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/7/2002 / 8/7/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	8/7/2002 / 8/7/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/7/2002 / 8/7/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/7/2002 / 8/7/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/7/2002 / 8/7/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/7/2002 / 8/7/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/7/2002 / 8/7/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/7/2002 / 8/7/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	8/7/2002 / 8/7/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	8/7/2002 / 8/7/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/7/2002 / 8/7/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/7/2002 / 8/7/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	8/7/2002 / 8/7/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	8/7/2002 / 8/7/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/7/2002 / 8/7/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/7/2002 / 8/7/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/7/2002 / 8/7/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	8/7/2002 / 8/7/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/7/2002 / 8/7/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	8/7/2002 / 8/7/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/7/2002 / 8/7/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/7/2002 / 8/7/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	8/7/2002 / 8/7/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/7/2002 / 8/7/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	8/7/2002 / 8/7/2002
cis-1,2-Dichloroethene	20	ug/l	1.4	4.3	5		8260	qh	8/7/2002 / 8/7/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/7/2002 / 8/7/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	8/7/2002 / 8/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020565**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	8/7/2002 / 8/7/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/7/2002 / 8/7/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/7/2002 / 8/7/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	8/7/2002 / 8/7/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/7/2002 / 8/7/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/7/2002 / 8/7/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	8/7/2002 / 8/7/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/7/2002 / 8/7/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/7/2002 / 8/7/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/7/2002 / 8/7/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	8/7/2002 / 8/7/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	8/7/2002 / 8/7/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/7/2002 / 8/7/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/7/2002 / 8/7/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/7/2002 / 8/7/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/7/2002 / 8/7/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/7/2002 / 8/7/2002
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/7/2002 / 8/7/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	8/7/2002 / 8/7/2002
trans-1,2-Dichloroethene	2.7	ug/l	1.3	4.0	5	J	8260	qh	8/7/2002 / 8/7/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/7/2002 / 8/7/2002
Trichloroethene	168	ug/l	1.7	5.4	5		8260	qh	8/7/2002 / 8/7/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/7/2002 / 8/7/2002
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	8/7/2002 / 8/7/2002

Sample Number: 29406
Client ID: WA07P

QC Prep Batch Number: 1001625

Collection: 8/5/2002 Time: 08:50
Sample Description: 020805

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/7/2002 / 8/7/2002
1,1,1-Trichloroethane	0.53	ug/l	0.31	0.99	1	J	8260	qh	8/7/2002 / 8/7/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloropropane	0.32	ug/l	0.32	1.0	1		8260	qh	8/7/2002 / 8/7/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020565**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/7/2002 / 8/7/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/7/2002 / 8/7/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/7/2002 / 8/7/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/7/2002 / 8/7/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/7/2002 / 8/7/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/7/2002 / 8/7/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/7/2002 / 8/7/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/7/2002 / 8/7/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/7/2002 / 8/7/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/7/2002 / 8/7/2002
cis-1,2-Dichloroethene	2.5	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/7/2002 / 8/7/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/7/2002 / 8/7/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/7/2002 / 8/7/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/7/2002 / 8/7/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/7/2002 / 8/7/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/7/2002 / 8/7/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/7/2002 / 8/7/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/7/2002 / 8/7/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/7/2002 / 8/7/2002
trans-1,2-Dichloroethene	0.36	ug/l	0.25	0.80	1	J	8260	qh	8/7/2002 / 8/7/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020565**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
Trichloroethene	8.9	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/7/2002 / 8/7/2002
Vinyl chloride	0.21	ug/l	0.20	0.64	1	J	8260	qh	8/7/2002 / 8/7/2002

Sample Number: 29407
Client ID: WA09P

QC Prep Batch Number: 1001625
Collection: 8/5/2002 Time: 08:40
Sample Description: 020805

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/7/2002 / 8/7/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/7/2002 / 8/7/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/7/2002 / 8/7/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/7/2002 / 8/7/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/7/2002 / 8/7/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/7/2002 / 8/7/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/7/2002 / 8/7/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/7/2002 / 8/7/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/7/2002 / 8/7/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/7/2002 / 8/7/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020565**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/7/2002 / 8/7/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/7/2002 / 8/7/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/7/2002 / 8/7/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/7/2002 / 8/7/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/7/2002 / 8/7/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/7/2002 / 8/7/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/7/2002 / 8/7/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/7/2002 / 8/7/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/7/2002 / 8/7/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/7/2002 / 8/7/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
Tetrachloroethene	0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/7/2002 / 8/7/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
Trichloroethene	1.1	ug/l	0.34	1.1	1	J	8260	qh	8/7/2002 / 8/7/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/7/2002 / 8/7/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/7/2002 / 8/7/2002

Sample Number: 29409 QC Prep Batch Number: 1001625 Collection: 8/5/2002 Time:
Client ID: TRP BLK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/7/2002 / 8/7/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020565**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloropropane	0.32	ug/l	0.32	1.0	1		8260	qh	8/7/2002 / 8/7/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/7/2002 / 8/7/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/7/2002 / 8/7/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/7/2002 / 8/7/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/7/2002 / 8/7/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/7/2002 / 8/7/2002
Acetone	1.6	ug/l	1.6	4.9	1		8260	qh	8/7/2002 / 8/7/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/7/2002 / 8/7/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/7/2002 / 8/7/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/7/2002 / 8/7/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/7/2002 / 8/7/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/7/2002 / 8/7/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/7/2002 / 8/7/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Ethylbenzene	0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/7/2002 / 8/7/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/7/2002 / 8/7/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/7/2002 / 8/7/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/7/2002 / 8/7/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/7/2002 / 8/7/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/7/2002 / 8/7/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020565**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/7/2002 / 8/7/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/7/2002 / 8/7/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/7/2002 / 8/7/2002

Sample Number: 29410 QC Prep Batch Number: 1001625 Collection: 8/5/2002 Time: 08:40
Client ID: WA09Q Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/7/2002 / 8/7/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/7/2002 / 8/7/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/7/2002 / 8/7/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/7/2002 / 8/7/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/7/2002 / 8/7/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/7/2002 / 8/7/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/7/2002 / 8/7/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/7/2002 / 8/7/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/7/2002 / 8/7/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/7/2002 / 8/7/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/7/2002 / 8/7/2002

APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3699

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020565**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 06-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/7/2002 / 8/7/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/7/2002 / 8/7/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/7/2002 / 8/7/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/7/2002 / 8/7/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/7/2002 / 8/7/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/7/2002 / 8/7/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/7/2002 / 8/7/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/7/2002 / 8/7/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/7/2002 / 8/7/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/7/2002 / 8/7/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/7/2002 / 8/7/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/7/2002 / 8/7/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/7/2002 / 8/7/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/7/2002 / 8/7/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/7/2002 / 8/7/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/7/2002 / 8/7/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/7/2002 / 8/7/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/7/2002 / 8/7/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/7/2002 / 8/7/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/7/2002 / 8/7/2002
Trichloroethene	0.91	ug/l	0.34	1.1	1	J	8260	qh	8/7/2002 / 8/7/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/7/2002 / 8/7/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/7/2002 / 8/7/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020565**
DATE REPORTED:	09-Oct-02
DATE RECEIVED:	06-Aug-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	

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

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

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

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

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 20020585
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 12-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 29490		**Matrix: GW**							Collection: 8/12/2002		Time:
Client ID: 01p									Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	nr	8/15/2002		
Barium - ICAP	0.09	mg/l		RJ	0.007	0.02	200.7	am	8/21/2002		
Cadmium - Furnace AA	<0.4	ug/l		RJ	0.4	1.3	213.2	nr	8/16/2002		
Cadmium-Total Recoverable	<0.4	ug/l		RJ	0.4	1.3	7131	nr	8/16/2002		
Chromium, Total - ICAP	0.02	mg/l	J	RJ	0.008	0.03	200.7	am	8/21/2002		
Copper- ICAP	0.01	mg/l	J	RJ	0.006	0.02	200.7	am	9/10/2002		
Iron - ICAP	0.96	mg/l		RJ	0.081	0.26	200.7	am	9/10/2002		
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	nr	8/15/2002		
Manganese - ICAP	0.13	mg/l		RJ	0.006	0.02	200.7	am	9/10/2002		
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	am	8/20/2002		
Nickel - ICAP	0.05	mg/l		RJ	0.011	0.03	200.7	am	9/10/2002		
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	nr	8/20/2002		
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	am	8/21/2002		
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	nr	9/13/2002		
Zinc - ICAP	0.04	mg/l	J	RJ	0.014	0.04	200.7	am	9/10/2002		
Chromium, Hexavalent	<0.0042	mg/l		RJ	0.004	0.01	SM 3500D	am	10/30/2002	*1002905*	
Cyanide, Amenable	<0.006	mg/l		RJ	0.006	0.02	335.2	nr	8/19/2002		
Cyanide, Total	0.02	mg/l		RJ	0.006	0.02	335.2	nr	8/19/2002		
pH (water)	7	s.u.	#	RJ			150.1	am	9/13/2002		
Sample Number: 29491		**Matrix: GW**							Collection: 8/12/2002		Time:
Client ID: 05p									Sample Description:		
pH (water)	7.4	s.u.	#	RJ			150.1	am	9/13/2002	*1001925*	
Sample Number: 29493		**Matrix: GW**							Collection: 8/12/2002		Time:
Client ID: 09p									Sample Description:		
Chromium, Hexavalent	<0.0042	mg/l		RJ	0.004	0.01	SM 3500D	am	10/30/2002	*1002905*	
Cyanide, Amenable	<0.006	mg/l		RJ	0.006	0.02	335.2	nr	8/19/2002	*1001731*	
Cyanide, Total	<0.006	mg/l		RJ	0.006	0.02	335.2	nr	8/19/2002	*1001730*	
pH (water)	7.7	s.u.	#	RJ			150.1	am	9/13/2002	*1001925*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 2002058
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 12-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 29494	Matrix. GW							Collection: 8/12/2002		Time:
Client ID: 09r								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	nr	8/15/2002	1001687	
Barium - ICAP	0.08	mg/l	RJ	0.007	0.02	200.7	am	8/21/2002	1001892	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	nr	8/16/2002	1001692	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	am	8/21/2002	1001892	
Copper- ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	am	9/10/2002	1001892	
Iron - ICAP	0.26	mg/l	RJ	0.081	0.26	200.7	am	9/10/2002	1001892	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	nr	8/15/2002	1001662	
Manganese - ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	am	9/10/2002	1001892	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	am	8/20/2002	1001752	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	am	9/10/2002	1001892	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	nr	8/20/2002	1001747	
Silver - ICAP	0.01	mg/l	J RJ	0.004	0.01	200.7	am	8/21/2002	1001892	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	nr	9/13/2002	1001932	
Zinc - ICAP	0.1	mg/l	RJ	0.014	0.04	200.7	am	9/10/2002	1001892	

Approved By: James Chang/AB **Date:** 10/30/02
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: **20020585**
DATE REPORTED: 26-Aug-02
DATE RECEIVED: 12-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Sample Number: 29490 QC Prep Batch Number: 1001705 Collection: 8/12/2002 Time:
Client ID: 01p Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	8/13/2002 / 8/13/2002
1,1,1-Trichloroethane	51	ug/l	1.6	4.9	5		8260	qh	8/13/2002 / 8/13/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/13/2002 / 8/13/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/13/2002 / 8/13/2002
1,1-Dichloroethane	8.3	ug/l	1.6	5.1	5		8260	qh	8/13/2002 / 8/13/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/13/2002 / 8/13/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	8/13/2002 / 8/13/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	8/13/2002 / 8/13/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	8/13/2002 / 8/13/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	8/13/2002 / 8/13/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/13/2002 / 8/13/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	8/13/2002 / 8/13/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/13/2002 / 8/13/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	8/13/2002 / 8/13/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	8/13/2002 / 8/13/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/13/2002 / 8/13/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/13/2002 / 8/13/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/13/2002 / 8/13/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/13/2002 / 8/13/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/13/2002 / 8/13/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/13/2002 / 8/13/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	8/13/2002 / 8/13/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	8/13/2002 / 8/13/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/13/2002 / 8/13/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/13/2002 / 8/13/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	8/13/2002 / 8/13/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	8/13/2002 / 8/13/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/13/2002 / 8/13/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/13/2002 / 8/13/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/13/2002 / 8/13/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	8/13/2002 / 8/13/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/13/2002 / 8/13/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	8/13/2002 / 8/13/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/13/2002 / 8/13/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/13/2002 / 8/13/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	8/13/2002 / 8/13/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/13/2002 / 8/13/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	8/13/2002 / 8/13/2002
cis-1,2-Dichloroethene	24	ug/l	1.4	4.3	5		8260	qh	8/13/2002 / 8/13/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/13/2002 / 8/13/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	8/13/2002 / 8/13/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020585**
DATE REPORTED: 26-Aug-02
DATE RECEIVED: 12-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	8/13/2002 / 8/13/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/13/2002 / 8/13/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/13/2002 / 8/13/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	8/13/2002 / 8/13/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/13/2002 / 8/13/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/13/2002 / 8/13/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	8/13/2002 / 8/13/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/13/2002 / 8/13/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/13/2002 / 8/13/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/13/2002 / 8/13/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	8/13/2002 / 8/13/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	8/13/2002 / 8/13/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/13/2002 / 8/13/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/13/2002 / 8/13/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/13/2002 / 8/13/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/13/2002 / 8/13/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/13/2002 / 8/13/2002
Tetrachloroethene	2.3	ug/l	1.6	4.9	5	J	8260	qh	8/13/2002 / 8/13/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	8/13/2002 / 8/13/2002
trans-1,2-Dichloroethene	9.0	ug/l	1.3	4.0	5		8260	qh	8/13/2002 / 8/13/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/13/2002 / 8/13/2002
Trichloroethene	247	ug/l	1.7	5.4	5		8260	qh	8/13/2002 / 8/13/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/13/2002 / 8/13/2002
Vinyl chloride	1.2	ug/l	1.0	3.2	5	J	8260	qh	8/13/2002 / 8/13/2002

Sample Number: 29492
Client ID: 07p

QC Prep Batch Number: 1001705

Collection: 8/12/2002 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/13/2002 / 8/13/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/13/2002 / 8/13/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/13/2002 / 8/13/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/13/2002 / 8/13/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/13/2002 / 8/13/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/13/2002 / 8/13/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/13/2002 / 8/13/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/13/2002 / 8/13/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/13/2002 / 8/13/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/13/2002 / 8/13/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/13/2002 / 8/13/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/13/2002 / 8/13/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020585**
DATE REPORTED: 26-Aug-02
DATE RECEIVED: 12-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/13/2002 / 8/13/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/13/2002 / 8/13/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/13/2002 / 8/13/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/13/2002 / 8/13/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/13/2002 / 8/13/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/13/2002 / 8/13/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/13/2002 / 8/13/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/13/2002 / 8/13/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/13/2002 / 8/13/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/13/2002 / 8/13/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/13/2002 / 8/13/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/13/2002 / 8/13/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/13/2002 / 8/13/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/13/2002 / 8/13/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/13/2002 / 8/13/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/13/2002 / 8/13/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/13/2002 / 8/13/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/13/2002 / 8/13/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/13/2002 / 8/13/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/13/2002 / 8/13/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/13/2002 / 8/13/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/13/2002 / 8/13/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/13/2002 / 8/13/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/13/2002 / 8/13/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/13/2002 / 8/13/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/13/2002 / 8/13/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/13/2002 / 8/13/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/13/2002 / 8/13/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/13/2002 / 8/13/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/13/2002 / 8/13/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020585**
DATE REPORTED: 26-Aug-02
DATE RECEIVED: 12-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/13/2002 / 8/13/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/13/2002 / 8/13/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/13/2002 / 8/13/2002

Sample Number: 29493 QC Prep Batch Number: 1001705 Collection: 8/12/2002 Time:
Client ID: 09p Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/13/2002 / 8/13/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/13/2002 / 8/13/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/13/2002 / 8/13/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/13/2002 / 8/13/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/13/2002 / 8/13/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/13/2002 / 8/13/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/13/2002 / 8/13/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/13/2002 / 8/13/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/13/2002 / 8/13/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/13/2002 / 8/13/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/13/2002 / 8/13/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/13/2002 / 8/13/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/13/2002 / 8/13/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/13/2002 / 8/13/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/13/2002 / 8/13/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/13/2002 / 8/13/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/13/2002 / 8/13/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/13/2002 / 8/13/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/13/2002 / 8/13/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/13/2002 / 8/13/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/13/2002 / 8/13/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/13/2002 / 8/13/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/13/2002 / 8/13/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/13/2002 / 8/13/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/13/2002 / 8/13/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020585**
DATE REPORTED: 26-Aug-02
DATE RECEIVED: 12-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/13/2002 / 8/13/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/13/2002 / 8/13/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/13/2002 / 8/13/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/13/2002 / 8/13/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/13/2002 / 8/13/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/13/2002 / 8/13/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/13/2002 / 8/13/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/13/2002 / 8/13/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/13/2002 / 8/13/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/13/2002 / 8/13/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/13/2002 / 8/13/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/13/2002 / 8/13/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/13/2002 / 8/13/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/13/2002 / 8/13/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/13/2002 / 8/13/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/13/2002 / 8/13/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/13/2002 / 8/13/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/13/2002 / 8/13/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/13/2002 / 8/13/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/13/2002 / 8/13/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/13/2002 / 8/13/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/13/2002 / 8/13/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/13/2002 / 8/13/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/13/2002 / 8/13/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020585**
DATE REPORTED:	26-Aug-02
DATE RECEIVED:	12-Aug-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	

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

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

Approved By: _____ **Date:** 8/26/02
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 **20020607**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 19-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 29575 Matrix: GW
Client ID: **020819WA01P** Collection: 8/19/2002 Time: 10:09
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	nr	8/22/2002	1001790	
Barium - ICAP	0.14	mg/l	RJ	0.007	0.02	200.7	am	8/27/2002	1001807	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	nr	8/23/2002	1001792	
Cadmium-Total Recoverable	<0.4	ug/l	RJ	0.4	1.3	7131	am	9/12/2002	1001918	
Chromium, Total - ICAP	0.03	mg/l	RJ	0.008	0.03	200.7	am	8/27/2002	1001807	
Copper- ICAP	0.77	mg/l	RJ	0.006	0.02	200.7	am	8/27/2002	1001807	
Iron - ICAP	1.4	mg/l	RJ	0.081	0.26	200.7	am	8/27/2002	1001807	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	nr	8/23/2002	1001794	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	am	8/27/2002	1001807	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	am	8/23/2002	1001796	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	am	8/27/2002	1001807	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	nr	8/23/2002	1001795	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	am	8/27/2002	1001807	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	nr	8/26/2002	1001799	
Zinc - ICAP	0.22	mg/l	RJ	0.014	0.04	200.7	am	8/27/2002	1001807	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	am	10/30/2002	1002505	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	nr	8/27/2002	1001809	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	nr	8/26/2002	1001808	
pH (water)	6.9	s.u.	# RJ			150.1	am	9/3/2002	1001844	

Sample Number: 29576 Matrix: GW
Client ID: **020819WA05P** Collection: 8/19/2002 Time: 10:00
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	7.3	s.u.	# RJ			150.1	am	9/3/2002	1001844	

Sample Number: 29578 Matrix: GW
Client ID: **020819WA09P** Collection: 8/19/2002 Time: 10:04
Sample Description:

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	am	10/30/2002	1002505	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	nr	8/27/2002	1001809	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	nr	8/26/2002	1001808	
pH (water)	7.9	s.u.	# RJ			150.1	am	9/12/2002	1001917	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020607
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 19-Aug-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: 29579 Matrix: GW
Client ID: **020819WA09R**
Collection: 8/19/2002 Time: 10:15
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	nr	8/22/2002	*1001791*
Barium - ICAP	0.13	mg/l		RJ	0.007	0.02	200.7	am	8/27/2002	*1001807*
Cadmium - Furnace AA	<0.4	ug/l		RJ	0.4	1.3	213.2	nr	8/23/2002	*1001792*
Cadmium-Total Recoverable	<0.4	ug/l		RJ	0.4	1.3	7131	am	9/12/2002	*1001918*
Chromium, Total - ICAP	0.03	mg/l		RJ	0.008	0.03	200.7	am	8/27/2002	*1001807*
Copper- ICAP	0.57	mg/l		RJ	0.006	0.02	200.7	am	8/27/2002	*1001807*
Iron - ICAP	0.21	mg/l	J	RJ	0.081	0.26	200.7	am	8/27/2002	*1001807*
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	nr	8/23/2002	*1001794*
Manganese - ICAP	0.06	mg/l		RJ	0.006	0.02	200.7	am	8/27/2002	*1001807*
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	am	8/23/2002	*1001796*
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	am	8/27/2002	*1001807*
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	nr	8/23/2002	*1001795*
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	am	8/27/2002	*1001807*
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	nr	8/26/2002	*1001799*
Zinc - ICAP	0.21	mg/l		RJ	0.014	0.04	200.7	am	8/27/2002	*1001807*

Approved By: James Chang /AB **Date:** 10/30/02
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: 20020607
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 19-Aug-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: 29575 QC Prep Batch Number: 1001803 Collection: 8/19/2002 Time: 10:09
Client ID: 020819WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	8/20/2002 / 8/20/2002
1,1,1-Trichloroethane	43	ug/l	1.6	4.9	5		8260	qh	8/20/2002 / 8/20/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/20/2002 / 8/20/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/20/2002 / 8/20/2002
1,1-Dichloroethane	< 1.6	ug/l	1.6	5.1	5		8260	qh	8/20/2002 / 8/20/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	8/20/2002 / 8/20/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	8/20/2002 / 8/20/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	8/20/2002 / 8/20/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	8/20/2002 / 8/20/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	8/20/2002 / 8/20/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	8/20/2002 / 8/20/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	8/20/2002 / 8/20/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/20/2002 / 8/20/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/20/2002 / 8/20/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/20/2002 / 8/20/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/20/2002 / 8/20/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	8/20/2002 / 8/20/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	8/20/2002 / 8/20/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/20/2002 / 8/20/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	8/20/2002 / 8/20/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	8/20/2002 / 8/20/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/20/2002 / 8/20/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/20/2002 / 8/20/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	8/20/2002 / 8/20/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/20/2002 / 8/20/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	8/20/2002 / 8/20/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/20/2002 / 8/20/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	8/20/2002 / 8/20/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/20/2002 / 8/20/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	8/20/2002 / 8/20/2002
cis-1,2-Dichloroethene	23	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/20/2002 / 8/20/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	8/20/2002 / 8/20/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/20/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/20/2002 / 8/20/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	8/20/2002 / 8/20/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/20/2002 / 8/20/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	8/20/2002 / 8/20/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/20/2002 / 8/20/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/20/2002 / 8/20/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	8/20/2002 / 8/20/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	8/20/2002 / 8/20/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/20/2002 / 8/20/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/20/2002 / 8/20/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/20/2002 / 8/20/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
Tetrachloroethene	2.2	ug/l	1.6	4.9	5	J	8260	qh	8/20/2002 / 8/20/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	8/20/2002 / 8/20/2002
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/20/2002 / 8/20/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/20/2002 / 8/20/2002
Trichloroethene	246	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/20/2002 / 8/20/2002
Vinyl chloride	1.6	ug/l	1.0	3.2	5	J	8260	qh	8/20/2002 / 8/20/2002

Sample Number: 29577
Client ID: 020819WA07P

QC Prep Batch Number: 1001803

Collection: 8/19/2002 Time: 10:02
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/20/2002 / 8/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/20/2002 / 8/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/20/2002 / 8/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/20/2002 / 8/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/20/2002 / 8/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/20/2002 / 8/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/20/2002 / 8/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/20/2002 / 8/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/20/2002 / 8/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/20/2002 / 8/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/22/2002
Trichloroethene	2.5	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/20/2002 / 8/22/2002

Sample Number: 29578 QC Prep Batch Number: 1001803 Collection: 8/19/2002 Time: 10:04
Client ID: 020819WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/20/2002 / 8/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/20/2002 / 8/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/20/2002 / 8/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/20/2002 / 8/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/20/2002 / 8/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/20/2002 / 8/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/20/2002 / 8/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 20-Aug-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	8/20/2002 / 8/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/20/2002 / 8/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/20/2002 / 8/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/20/2002 / 8/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Trichloroethene	0.65	ug/l	0.34	1.1	1	J	8260	qh	8/20/2002 / 8/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/20/2002 / 8/22/2002

Sample Number: 29580 QC Prep Batch Number: 1001803 Collection: 8/19/2002 Time: 10:50
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/20/2002 / 8/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
1,3-Dichloropropane	0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/20/2002 / 8/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/20/2002 / 8/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/20/2002 / 8/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/20/2002 / 8/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/20/2002 / 8/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/20/2002 / 8/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/20/2002 / 8/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/20/2002 / 8/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/20/2002 / 8/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/22/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	8/20/2002 / 8/22/2002

Approved By: James Chang/AB **Date:** 10/30/02
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.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020607**
DATE REPORTED:	09-Oct-02
DATE RECEIVED:	19-Aug-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: 29575
Client ID: 020819WA01P

QC Prep Batch Number: 1001803

Collection: 8/19/2002 Time: 10:09

Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	8/20/2002 / 8/20/2002
1,1,1-Trichloroethane	43	ug/l	1.6	4.9	5		8260	qh	8/20/2002 / 8/20/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/20/2002 / 8/20/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/20/2002 / 8/20/2002
1,1-Dichloroethane	< 1.6	ug/l	1.6	5.1	5		8260	qh	8/20/2002 / 8/20/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	8/20/2002 / 8/20/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	8/20/2002 / 8/20/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	8/20/2002 / 8/20/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	8/20/2002 / 8/20/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	8/20/2002 / 8/20/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	8/20/2002 / 8/20/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	8/20/2002 / 8/20/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/20/2002 / 8/20/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/20/2002 / 8/20/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/20/2002 / 8/20/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/20/2002 / 8/20/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	8/20/2002 / 8/20/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	8/20/2002 / 8/20/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/20/2002 / 8/20/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	8/20/2002 / 8/20/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	8/20/2002 / 8/20/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/20/2002 / 8/20/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/20/2002 / 8/20/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	8/20/2002 / 8/20/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/20/2002 / 8/20/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	8/20/2002 / 8/20/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/20/2002 / 8/20/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	8/20/2002 / 8/20/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/20/2002 / 8/20/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	8/20/2002 / 8/20/2002
cis-1,2-Dichloroethene	23	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/20/2002 / 8/20/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	8/20/2002 / 8/20/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/20/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/20/2002 / 8/20/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/20/2002 / 8/20/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	8/20/2002 / 8/20/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/20/2002 / 8/20/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	8/20/2002 / 8/20/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/20/2002 / 8/20/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/20/2002 / 8/20/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	8/20/2002 / 8/20/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	8/20/2002 / 8/20/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/20/2002 / 8/20/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/20/2002 / 8/20/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/20/2002 / 8/20/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/20/2002 / 8/20/2002
Tetrachloroethene	2.2	ug/l	1.6	4.9	5	J	8260	qh	8/20/2002 / 8/20/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	8/20/2002 / 8/20/2002
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/20/2002 / 8/20/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/20/2002 / 8/20/2002
Trichloroethene	246	ug/l	1.7	5.4	5		8260	qh	8/20/2002 / 8/20/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/20/2002 / 8/20/2002
Vinyl chloride	1.6	ug/l	1.0	3.2	5	J	8260	qh	8/20/2002 / 8/20/2002

Sample Number: 29577 QC Prep Batch Number: 1001803 Collection: 8/19/2002 Time: 10:02
Client ID: 020819WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/20/2002 / 8/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethene	0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/20/2002 / 8/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/20/2002 / 8/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/20/2002 / 8/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/20/2002 / 8/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/20/2002 / 8/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/20/2002 / 8/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/20/2002 / 8/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/20/2002 / 8/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/20/2002 / 8/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/22/2002
Trichloroethene	2.5	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/20/2002 / 8/22/2002

Sample Number: 29578 QC Prep Batch Number: 1001803 Collection: 8/19/2002 Time: 10:04
Client ID: 020819WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/20/2002 / 8/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/20/2002 / 8/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/20/2002 / 8/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/20/2002 / 8/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/20/2002 / 8/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/20/2002 / 8/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/20/2002 / 8/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 20-Aug-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	8/20/2002 / 8/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/20/2002 / 8/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/20/2002 / 8/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/20/2002 / 8/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
p-isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
Styrene	0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,3-Dichloropropene	0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Trichloroethene	0.65	ug/l	0.34	1.1	1	J	8260	qh	8/20/2002 / 8/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/20/2002 / 8/22/2002

Sample Number: 29580 QC Prep Batch Number: 1001803 Collection: 8/19/2002 Time: 10:50
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/20/2002 / 8/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/20/2002 / 8/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/20/2002 / 8/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/20/2002 / 8/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/20/2002 / 8/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/20/2002 / 8/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/20/2002 / 8/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/20/2002 / 8/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/20/2002 / 8/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/20/2002 / 8/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/20/2002 / 8/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/20/2002 / 8/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/20/2002 / 8/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/20/2002 / 8/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/20/2002 / 8/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/20/2002 / 8/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/20/2002 / 8/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/20/2002 / 8/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020607**
DATE REPORTED: 09-Oct-02
DATE RECEIVED: 19-Aug-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	8/20/2002 / 8/22/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	8/20/2002 / 8/22/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	8/20/2002 / 8/22/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	8/20/2002 / 8/22/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	8/20/2002 / 8/22/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	8/20/2002 / 8/22/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	8/20/2002 / 8/22/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	8/20/2002 / 8/22/2002

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

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time windows
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 **20020615**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 16-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 29610 Matrix: GW
Client ID: **020826WA01P**
Collection: 8/26/2002 Time: 09:10
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	nr	9/4/2002	*1001849*	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	am	8/30/2002	*1001833*	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	nr	9/4/2002	*1001850*	
Cadmium-Total Recoverable	<0.4	ug/l	RJ	0.4	1.3	7131	am	9/17/2002	*1001955*	
Chromium, Total - ICAP	0.03	mg/l	RJ	0.008	0.03	200.7	am	8/30/2002	*1001833*	
Copper- ICAP	0.64	mg/l	RJ	0.006	0.02	200.7	am	8/30/2002	*1001833*	
Iron - ICAP	1.5	mg/l	RJ	0.081	0.26	200.7	am	8/30/2002	*1001833*	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	nr	9/4/2002	*1001851*	
Manganese - ICAP	0.13	mg/l	RJ	0.006	0.02	200.7	am	8/30/2002	*1001833*	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	am	8/30/2002	*1001824*	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	am	8/30/2002	*1001833*	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	nr	9/5/2002	*1001854*	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	am	8/30/2002	*1001833*	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	nr	9/5/2002	*1001855*	
Zinc - ICAP	0.87	mg/l	RJ	0.014	0.04	200.7	am	8/30/2002	*1001833*	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	am	10/30/2002	*1002505*	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	nr	8/27/2002	*1001809*	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	nr	8/26/2002	*1001808*	
pH (water)	7	s.u.	H RJ			150.1	am	9/17/2002	*1001958*	

Sample Number: 29611 Matrix: GW
Client ID: **020826WA09R**
Collection: 8/26/2002 Time: 09:24
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	nr	9/4/2002	*1001849*	
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	am	8/30/2002	*1001833*	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	nr	9/4/2002	*1001850*	
Cadmium-Total Recoverable	<0.4	ug/l	RJ	0.4	1.3	7131	am	9/17/2002	*1001955*	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	am	8/30/2002	*1001833*	
Copper- ICAP	0.49	mg/l	RJ	0.006	0.02	200.7	am	8/30/2002	*1001833*	
Iron - ICAP	0.15	mg/l	J RJ	0.081	0.26	200.7	am	8/30/2002	*1001833*	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	nr	9/4/2002	*1001851*	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	am	8/30/2002	*1001833*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020615
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 26-Aug-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
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Milwaukee , WI 53223

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	am	8/30/2002	*1001824*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	am	8/30/2002	*1001833*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	nr	9/5/2002	*1001854*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	am	8/30/2002	*1001833*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	nr	9/5/2002	*1001854*	
Zinc - ICAP	**0.57**	**mg/l**	**RJ**	0.014	0.04	200.7	am	8/30/2002	*1001833*	
Sample Number: 29612 Matrix: GW								Collection: 8/26/2002		Time: 09:15
Client ID: **020826WA05P**								Sample Description:		
pH (water)	**7.4**	**s.u.**	**# RJ**			150.1	am	9/17/2002	*1001958*	
Sample Number: 29615 Matrix: GW								Collection: 8/26/2002		Time: 09:19
Client ID: **020826WA09P**								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	am	10/30/2002	*1002505*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	nr	8/27/2002	*1001809*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	nr	8/26/2002	*1001808*	
pH (water)	**7.8**	**s.u.**	**# RJ**			150.1	am	9/17/2002	*1001958*	

Approved By: James Chang, Ph.D. **Date:** 10/30/02
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: 20020615
DATE REPORTED: 03-Sep-02
DATE RECEIVED: 16-Aug-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: 29610 QC Prep Batch Number: 1001837 Collection: 8/26/2002 Time: 09:10
Client ID: 020826WA01P Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	8/27/2002 / 8/27/2002
1,1,1-Trichloroethane	46	ug/l	1.6	4.9	5		8260	qh	8/27/2002 / 8/27/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/27/2002 / 8/27/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloroethane	< 1.6	ug/l	1.6	5.1	5		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	8/27/2002 / 8/27/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	8/27/2002 / 8/27/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	8/27/2002 / 8/27/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	8/27/2002 / 8/27/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/27/2002 / 8/27/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	8/27/2002 / 8/27/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/27/2002 / 8/27/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/27/2002 / 8/27/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/27/2002 / 8/27/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/27/2002 / 8/27/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/27/2002 / 8/27/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/27/2002 / 8/27/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	8/27/2002 / 8/27/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	8/27/2002 / 8/27/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/27/2002 / 8/27/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/27/2002 / 8/27/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	8/27/2002 / 8/27/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	8/27/2002 / 8/27/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/27/2002 / 8/27/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/27/2002 / 8/27/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/27/2002 / 8/27/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	8/27/2002 / 8/27/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/27/2002 / 8/27/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	8/27/2002 / 8/27/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/27/2002 / 8/27/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/27/2002 / 8/27/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	8/27/2002 / 8/27/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/27/2002 / 8/27/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	8/27/2002 / 8/27/2002
cis-1,2-Dichloroethene	18	ug/l	1.4	4.3	5		8260	qh	8/27/2002 / 8/27/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	8/27/2002 / 8/27/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	8/27/2002 / 8/27/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020615
DATE REPORTED: 03-Sep-02
DATE RECEIVED: 16-Aug-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	8/27/2002 / 8/27/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/27/2002 / 8/27/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/27/2002 / 8/27/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	8/27/2002 / 8/27/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/27/2002 / 8/27/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/27/2002 / 8/27/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	8/27/2002 / 8/27/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/27/2002 / 8/27/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/27/2002 / 8/27/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/27/2002 / 8/27/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	8/27/2002 / 8/27/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	8/27/2002 / 8/27/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/27/2002 / 8/27/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/27/2002 / 8/27/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/27/2002 / 8/27/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/27/2002 / 8/27/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/27/2002 / 8/27/2002
Tetrachloroethene	2.5	ug/l	1.6	4.9	5	J	8260	qh	8/27/2002 / 8/27/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	8/27/2002 / 8/27/2002
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/27/2002 / 8/27/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/27/2002 / 8/27/2002
Trichloroethene	236	ug/l	1.7	5.4	5		8260	qh	8/27/2002 / 8/27/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/27/2002 / 8/27/2002
Vinyl chloride	1.9	ug/l	1.0	3.2	5	J	8260	qh	8/27/2002 / 8/27/2002

Sample Number: 29613
Client ID: 020826WA07P

QC Prep Batch Number: 1001837

Collection: 8/26/2002 Time: 09:17
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/27/2002 / 8/27/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/27/2002 / 8/27/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/27/2002 / 8/27/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/27/2002 / 8/27/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/27/2002 / 8/27/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/27/2002 / 8/27/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/27/2002 / 8/27/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020615
DATE REPORTED: 03-Sep-02
DATE RECEIVED: 26-Aug-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	8/27/2002 / 8/27/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/27/2002 / 8/27/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/27/2002 / 8/27/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/27/2002 / 8/27/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/27/2002 / 8/27/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/27/2002 / 8/27/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/27/2002 / 8/27/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/27/2002 / 8/27/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Bromodichloromethane	0.56	ug/l	0.38	1.2	1	J	8260	qh	8/27/2002 / 8/27/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/27/2002 / 8/27/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/27/2002 / 8/27/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/27/2002 / 8/27/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/27/2002 / 8/27/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Dibromochloromethane	1.0	ug/l	0.41	1.3	1	J	8260	qh	8/27/2002 / 8/27/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/27/2002 / 8/27/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/27/2002 / 8/27/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/27/2002 / 8/27/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/27/2002 / 8/27/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/27/2002 / 8/27/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/27/2002 / 8/27/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/27/2002 / 8/27/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/27/2002 / 8/27/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020615
DATE REPORTED: 03-Sep-02
DATE RECEIVED: 26-Aug-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	8/27/2002 / 8/27/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/27/2002 / 8/27/2002
Vinyl chloride	0.34	ug/l	0.20	0.64	1	J	8260	qh	8/27/2002 / 8/27/2002

Sample Number: 29614 QC Prep Batch Number: 1001837 Collection: 8/26/2002 Time: 10:10
Client ID: Trip Blank Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/27/2002 / 8/27/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/27/2002 / 8/27/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/27/2002 / 8/27/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/27/2002 / 8/27/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/27/2002 / 8/27/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/27/2002 / 8/27/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/27/2002 / 8/27/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/27/2002 / 8/27/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/27/2002 / 8/27/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/27/2002 / 8/27/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/27/2002 / 8/27/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/27/2002 / 8/27/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/27/2002 / 8/27/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/27/2002 / 8/27/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/27/2002 / 8/27/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/27/2002 / 8/27/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020615
DATE REPORTED: 03-Sep-02
DATE RECEIVED: 26-Aug-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	8/27/2002 / 8/27/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/27/2002 / 8/27/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/27/2002 / 8/27/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/27/2002 / 8/27/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/27/2002 / 8/27/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/27/2002 / 8/27/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/27/2002 / 8/27/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/27/2002 / 8/27/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/27/2002 / 8/27/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/27/2002 / 8/27/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/27/2002 / 8/27/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/27/2002 / 8/27/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/27/2002 / 8/27/2002

Sample Number: 29615
Client ID: 020826WA09P

QC Prep Batch Number: 1001837

Collection: 8/26/2002 Time: 09:19
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/27/2002 / 8/27/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/27/2002 / 8/27/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/27/2002 / 8/27/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/27/2002 / 8/27/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/27/2002 / 8/27/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/27/2002 / 8/27/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020615
DATE REPORTED: 03-Sep-02
DATE RECEIVED: 26-Aug-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	8/27/2002 / 8/27/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/27/2002 / 8/27/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/27/2002 / 8/27/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/27/2002 / 8/27/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/27/2002 / 8/27/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/27/2002 / 8/27/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/27/2002 / 8/27/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/27/2002 / 8/27/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/27/2002 / 8/27/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/27/2002 / 8/27/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/27/2002 / 8/27/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/27/2002 / 8/27/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/27/2002 / 8/27/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Dibromochloromethane	0.58	ug/l	0.41	1.3	1	J	8260	qh	8/27/2002 / 8/27/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/27/2002 / 8/27/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/27/2002 / 8/27/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/27/2002 / 8/27/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/27/2002 / 8/27/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/27/2002 / 8/27/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/27/2002 / 8/27/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/27/2002 / 8/27/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/27/2002 / 8/27/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/27/2002 / 8/27/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020615
DATE REPORTED: 03-Sep-02
DATE RECEIVED: 26-Aug-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	8/27/2002 / 8/27/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	8/27/2002 / 8/27/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	8/27/2002 / 8/27/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	8/27/2002 / 8/27/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	8/27/2002 / 8/27/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	8/27/2002 / 8/27/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	8/27/2002 / 8/27/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	8/27/2002 / 8/27/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	8/27/2002 / 8/27/2002

Approved By: James Chang **Date:** 9/3/02

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.