MAY 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

June 15, 2002

1.0 Introduction

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

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

1.1 Site Background Review

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

The contact person is Steven Brossart of the U.S. Army Corps of Engineers (USACE). Mr. Brossart's phone number is (651) 290-5429, Fax (651) 290-5258. APL, Inc. is contracted by the USACE to operate and maintain the plant. The contact for the Treatment Plant is Dean Groleau who can be reached at (920) 474-3212, Fax (920) 474-4241, or ogtp@netwurx.net. The contact for APL, Inc. is James Chang, who can be reached at (414) 355-5800, Fax (414) 355-3099.

1.2 Project Objectives

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

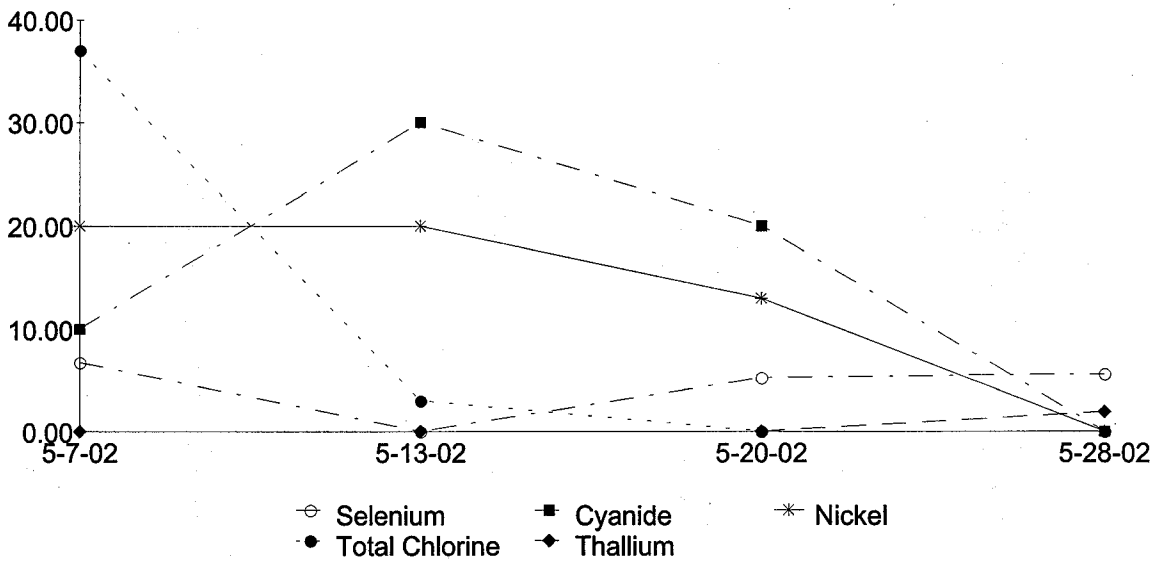
1.3 Effluent Monitoring

Weekly monitoring was conducted on May 7, 13, 20, and 28. The weekly samples for May were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in May showed exceedences of Nickel and Thallium from the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

The results of the effluent monitoring tests for the samples taken on May 20, 2002, showed an exceedence of Nickel from the WDNR effluent discharge permit. Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Nickel from the May 20 samplings. The May 20 result of Nickel was 25 ug/l and the permit limit for Nickel is 20 ug/l. A retest to verify the result was requested and the result of the retest was 13 ug/l. Mr. Kozol allowed the treatment plant to continue operating based on the "Shutting Down of the Metals Package." Mr. Kozol, stated that "if the results doubles the Preventative Action Limit (PAL), then more drastic measures would need to be taken.

The results of the May 28 weekly sampling round showed an exceedence in Thallium of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*. Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Thallium from the May 28 sampling. The May 28 Thallium result was 1.9 ug/l and the permit limit is 0.4 ug/l. Mr. Kozol allowed the treatment plant to continue operating due to the result is between the lab's "Level of Detection" (1.3 ug/l) and the "Level of Quantitation" (4.1 ug/l). If the exceedence of Thallium becomes a trend, then more drastic measures would need to be taken.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down two times for a total of 11.17 hours in May, 2002. The shut downs were due to a Power Fluctuation and for Wisconsin Electric to Install a New Power Line. Table 1 shows the summary of the plant down times for the month of May, 2002.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
5/9/02	5	Shut Down Due to a Power Fluctuation
5/22/02	6.17	Shut Down for Wisconsin Electric to Install a New Power Line
TOTAL	**11.17**	

3.1 Shut Down Due to a Power Fluctuation

On May, 9, the treatment plant was discovered to be shut down upon the arrival of the operator for the work day. After an initial inspection, the Treatment System Feed Pump (TFP-111) had a lockout reset performed and the treatment plant was restarted. There appeared to be no reason for the shut down other than TFP-111 had stopped pumping. An electrical storm had moved through the area during the night. Whenever the power fluctuates, the Treatment System Feed Pump will automatically shut down and a lockout reset needs to be physically performed to restart the system. The treatment plant had shut down at 12:05 A.M. and was restarted at 5:05 A.M. The treatment plant returned to normal operating parameters. Total down time was 5 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

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

On May 22, at 7:30 A.M., Wisconsin Electric shut down the power to the treatment plant so that they could change out a power line for the town. At 1:40 P.M., the power to the building was reactivated. Total down time was 6.17 hours. The USEPA, USACE, WDNR, and APL, Inc. were notified of the shut down.

4.0 Sludge Press Operations

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

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on May 7, 13, 20, and 28 of 2002. The laboratory results of these samples showed that there were exceedences in Nickel and Thallium from the limits listed in the requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96).* See Chart 1, Section 1.4 for *Important Indicator Parameters.*

During the month of May, 2002, the plant was shut down two times for a total of 11.17 hours. See Table 1, Section 3.0 for shut down times. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by June 15, 2002.

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

FLOW FROM EQT-100

YEAR: 2002				
MONTH: MAY DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	1,144,323.00	40,934.00	0.041	
2	1,185,257.00	42,439.00	0.042	
3	1,227,696.00	31,152.00	0.031	
4	1,258,848.00	37,598.00	0.038	
5	1,296,446.00	58,277.00	0.058	
6	1,354,723.00	40,911.00	0.041	
7	1,395,634.00	37,283.00	0.037	
8	1,432,917.00	34,503.00	0.035	
9	1,467,420.00	40,623.00	0.041	SHUT DOWN
10	1,508,043.00	28,547.00	0.029	
11	1,536,590.00	41,479.00	0.041	
12	1,578,069.00	52,397.00	0.052	
13	1,630,466.00	37,582.00	0.038	
14	1,668,048.00	38,989.00	0.039	
15	1,707,037.00	39,380.00	0.039	
16	1,746,417.00	38,700.00	0.039	
17	1,785,117.00	29,663.00	0.030	
18	1,814,780.00	41,143.00	0.041	
19	1,855,923.00	49,649.00	0.050	
20	1,905,572.00	29,551.00	0.030	
21	1,935,123.00	27,556.00	0.028	
22	1,962,679.00	37,859.00	0.038	SHUT DOWN
23	2,000,538.00	36,847.00	0.037	
24	2,037,385.00	28,148.00	0.028	
25	2,065,533.00	35,104.00	0.035	
26	2,100,637.00	40,154.00	0.040	
27	2,140,791.00	40,717.00	0.041	
28	2,181,508.00	41,473.00	0.041	
29	2,222,981.00	41,808.00	0.042	
30	2,264,789.00	40,976.00	0.041	
31	2,305,765.00	26,837.00	0.027	
June 01	2,332,602.00			
		TOTAL	1.190	
		AVERAGE	0.038	

FLOW FROM EXTRACTION WELLS

YEAR: 2002

MONTH: MAY DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	212,201.20	37,247.80	0.037	
2	249,449.00	26,422.40	0.026	
3	275,871.40	27,074.00	0.027	SHUT DOWN
4	302,945.40	32,235.00	0.032	
5	335,180.40	49,675.30	0.050	
6	384,855.70	34,833.20	0.035	
7	419,688.90	28,976.60	0.029	
8	448,665.50	31,128.80	0.031	SHUT DOWN
9	479,794.30	34,149.00	0.034	SHUT DOWN
10	513,943.30	25,308.80	0.025	
11	539,252.10	33,169.20	0.033	
12	572,421.30	46,350.50	0.046	
13	618,771.80	31,648.40	0.032	
14	650,420.20	33,170.80	0.033	SHUT DOWN
15	683,591.00	33,327.60	0.033	SHUT DOWN
16	716,918.60	32,381.50	0.032	
17	749,300.10	24,990.00	0.025	
18	774,290.10	32,626.20	0.033	
19	806,916.30	35,309.00	0.035	
20	842,225.30	30,564.47	0.031	SHUT DOWN
21	872,789.77	24,963.11	0.025	
22	897,752.88	29,949.67	0.030	SHUT DOWN
23	927,702.55	31,013.05	0.031	
24	958,715.60	23,783.20	0.024	
25	982,498.80	32,047.80	0.032	
26	1,014,546.60	32,038.70	0.032	
27	1,046,585.30	35,588.00	0.036	
28	1,082,173.30	36,940.40	0.037	
29	1,119,113.70	33,117.00	0.033	
30	1,152,230.70	31,187.10	0.031	
31	1,183,417.80	22,588.90	0.023	
June 01	1,206,006.70			
		TOTAL	0.993	
		AVERAGE	0.032	

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: MAY DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	4,658,977.10	35,000.00	0.035	
2	4,693,977.10	28,084.00	0.028	
3	4,722,061.10	28,004.80	0.028	SHUT DOWN
4	4,750,065.90	32,068.30	0.032	
5	4,782,134.20	48,723.90	0.049	
6	4,830,858.10	35,789.00	0.036	
7	4,866,647.10	30,750.00	0.031	
8	4,897,397.10	29,658.00	0.030	SHUT DOWN
9	4,927,055.10	34,238.20	0.034	SHUT DOWN
10	4,961,293.30	25,321.10	0.025	
11	4,986,614.40	33,169.20	0.033	
12	5,019,783.60	46,743.50	0.047	
13	5,066,527.10	31,591.00	0.032	
14	5,098,118.10	33,272.00	0.033	SHUT DOWN
15	5,131,390.10	33,327.60	0.033	SHUT DOWN
16	5,164,717.70	32,834.40	0.033	
17	5,197,552.10	24,525.90	0.025	
18	5,222,078.00	32,794.20	0.033	
19	5,254,872.20	35,540.30	0.036	
20	5,290,412.50	31,031.60	0.031	SHUT DOWN
21	5,321,444.10	24,880.00	0.025	
22	5,346,324.10	30,211.00	0.030	SHUT DOWN
23	5,376,535.10	31,041.00	0.031	
24	5,407,576.10	24,849.70	0.025	
25	5,432,425.80	31,380.40	0.031	
26	5,463,806.20	31,969.90	0.032	
27	5,495,776.10	35,996.20	0.036	
28	5,531,772.30	36,743.40	0.037	
29	5,568,515.70	33,252.40	0.033	
30	5,601,768.10	31,340.00	0.031	
31	5,633,108.10	22,130.00	0.022	
June 01	5,655,238.10			
		TOTAL	0.997	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2002				
MONTH: MAY DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	1,440,777.10	38,350.00	0.038	
2	1,479,127.10	44,306.00	0.044	
3	1,523,433.10	32,257.40	0.032	
4	1,555,690.50	37,333.10	0.037	
5	1,593,023.60	57,085.50	0.057	
6	1,650,109.10	42,132.00	0.042	
7	1,692,241.10	39,668.00	0.040	
8	1,731,909.10	32,299.00	0.032	
9	1,764,208.10	40,692.00	0.041	SHUT DOWN
10	1,804,900.10	28,635.50	0.029	
11	1,833,535.60	41,314.40	0.041	
12	1,874,850.00	52,952.10	0.053	
13	1,927,802.10	37,507.00	0.038	
14	1,965,309.10	39,061.00	0.039	
15	2,004,370.10	41,251.00	0.041	
16	2,045,621.10	37,352.00	0.037	
17	2,082,973.10	29,133.70	0.029	
18	2,112,106.80	41,285.00	0.041	
19	2,153,391.80	49,985.30	0.050	
20	2,203,377.10	29,873.00	0.030	
21	2,233,050.10	27,472.00	0.027	
22	2,260,522.10	38,169.00	0.038	SHUT DOWN
23	2,298,691.10	36,969.00	0.037	
24	2,335,660.10	28,025.10	0.028	
25	2,363,685.20	35,664.00	0.036	
26	2,399,349.20	40,010.90	0.040	
27	2,439,360.10	41,437.50	0.041	
28	2,480,797.60	40,922.50	0.041	
29	2,521,720.10	41,957.00	0.042	
30	2,563,677.10	41,155.00	0.041	
31	2,604,832.10	26,271.70	0.026	
June 01	2,631,103.80			
		TOTAL	1.188	
		AVERAGE	0.038	

EFFLUENT FLOW FROM PLANT

YEAR: 2002				
MONTH: MAY DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,998,823.00	36,826.00	0.037	
2	3,035,649.00	26,669.00	0.027	
3	3,062,318.00	29,182.00	0.029	
4	3,091,500.00	33,911.00	0.034	
5	3,125,411.00	50,137.00	0.050	
6	3,175,548.00	34,263.00	0.034	
7	3,209,811.00	34,493.00	0.034	
8	3,244,304.00	28,465.00	0.028	
9	3,272,769.00	36,215.00	0.036	SHUT DOWN
10	3,308,984.00	25,863.00	0.026	
11	3,334,847.00	39,057.00	0.039	
12	3,373,904.00	43,606.00	0.044	
13	3,417,510.00	30,941.00	0.031	
14	3,448,451.00	34,063.00	0.034	
15	3,482,514.00	34,374.00	0.034	
16	3,516,888.00	33,702.00	0.034	
17	3,550,590.00	28,689.00	0.029	
18	3,579,279.00	36,365.00	0.036	
19	3,615,644.00	42,942.00	0.043	
20	3,658,586.00	24,373.00	0.024	
21	3,682,959.00	25,550.00	0.026	
22	3,708,509.00	31,540.00	0.032	SHUT DOWN
23	3,740,049.00	27,254.00	0.027	
24	3,767,303.00	25,444.00	0.025	
25	3,792,747.00	31,693.00	0.032	
26	3,824,440.00	34,912.00	0.035	
27	3,859,352.00	36,209.00	0.036	
28	3,895,561.00	34,504.00	0.035	
29	3,930,065.00	38,847.00	0.039	
30	3,968,912.00	33,441.00	0.033	
31	4,002,353.00	25,194.00	0.025	
June 01	4,027,547.00			
		TOTAL	1.028	
		AVERAGE	0.033	

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	5-07-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1/7.2	7.6	N/A	N/A	8.1	Monitor	
TSS	<1/7	NT	NT	NT	<1	Monitor	mg/l
Arsenic	<5.6/<5.6	NT	NT	NT	<5.6	5	
Barium	90/120	NT	NT	NT	100	400	
Cadmium	<0.4/<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4/<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<0.42/<0.42	NT	NT	NT	<0.42	Monitor	
Chromium Total	<8/10	NT	NT	NT	<8	10	
Copper	<6/7	NT	NT	NT	7	Monitor	
Iron	900/2400	NT	NT	NT	430	Monitor	
Lead	<1.5/<1.5	NT	NT	NT	<1.5	1.5	
Manganese	120/150	NT	NT	NT	120	Monitor	
Mercury	<0.2/<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20/30	NT	NT	NT	20	20	
Selenium	<4.8/<4.8	NT	NT	NT	6.7	10	
Silver	<4/<4	NT	NT	NT	<4	10	
Thallium	<1.3/<1.3	NT	NT	NT	<1.3	0.4	
Zinc	20/20	NT	NT	NT	30	Monitor	
Cyanide	10/20	NT	NT	NT	10	40	
Cyanide Amenable	<6/<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	11/12	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8/<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	5.4/5	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	25/26	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	7.8/8.3	NT	<0.25	NT	<0.25	20	
Ethylbenzene	<1.3/<1.3	NT	<0.25	NT	<0.25	140	
Methylene Chloride	<1.5/<1.5	NT	<0.3	NT	<0.3	0.5	
Tetrachloroethene	2.6/2.9	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5/<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	94/86	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2/<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	290/265	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	1.6/1.9	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7/<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	NT	37	38	*
COD	<5.7/8	NT	NT	NT	<5.7	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.53	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.79	Monitor	mg/l

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

* Chlorine, Total = Weekly average.

Influent Sample Point was duplicated (second result).

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	5-13-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	7.4	N/A	N/A	8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	100	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	10	NT	NT	NT	10	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	330	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	110	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	40	NT	NT	NT	20	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	20	Monitor	
Cyanide	20	NT	NT	NT	30	40	
Cyanide Amenable	20	NT	NT	NT	30	Monitor	
1,1-Dichloroethane	7.3	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<0.7	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	4	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	20	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	8.3	NT	<0.25	NT	<0.25	20	
Ethylbenzene	<0.5	NT	<0.25	NT	<0.25	140	
Methylene Chloride	<0.6	NT	<0.3	NT	<0.3	0.5	
Tetrachloroethene	2.1	NT	<0.31	NT	<0.31	0.5	
Toluene	<0.58	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	67	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<0.88	NT	<0.44	NT	<0.44	0.5	
TCE	232	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	1.1	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<1.1	NT	<0.53	NT	<0.53	124	
Chlorine, Total	126	NT	NT	NT	3	38	*
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

* Chlorine, Total = Weekly average.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	5-20-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	7.6	N/A	N/A	8.1	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	100	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	10	10	
Copper	7	NT	NT	NT	<6	Monitor	
Iron	940	NT	NT	NT	630	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	100	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	25/13	20	**
Selenium	5.6	NT	NT	NT	5.2	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	20	NT	NT	NT	30	Monitor	
Cyanide	20	NT	NT	NT	20	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	12	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	29	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	11	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	3.8	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	81	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	300	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	60	NT	NT	NT	<40	38	*
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

* Chlorine, Total = Weekly average.
** Requested a retest to verify result. Second number.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	5-28-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.5	7.7	N/A	N/A	8.2	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	100	NT	NT	NT	100	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	990	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	90	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	<11	20	
Selenium	5.6	NT	NT	NT	5.6	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	1.9	NT	NT	NT	1.9	0.4	**
Zinc	20	NT	NT	NT	30	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	11	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	4.5	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	25	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	11	NT	<0.25	NT	<0.25	20	
Ethylbenzene	<1.3	NT	0.5	NT	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	NT	<0.3	0.5	
Tetrachloroethene	3.5	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	89	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	288	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	1.8	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	0.7	NT	<0.53	124	
Chlorine, Total	174	NT	NT	NT	6	38	*
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

* Chlorine, Total = Weekly average.
** Paul Kozol, WDNR, authorized the continual plant operations based on the result being between LOD & LOQ;

PRECIPITATION

YEAR: 2002	
MONTH: MAY DAY	RAINFALL (INCHES)
1	0.00
2	0.30
3	0.00
4	0.00
5	0.00
6	0.20
7	0.10
8	0.10
9	0.75
10	0.00
11	0.00
12	0.65
13	0.10
14	0.00
15	0.00
16	0.00
17	0.00
18	0.00
19	0.00
20	0.00
21	0.00
22	0.00
23	0.00
24	0.00
25	0.25
26	0.60
27	0.00
28	0.00
29	0.30
30	0.00
31	0.00
TOTAL	3.35

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	EFFLUENT 5/1/02-5/9/02	EFFLUENT 5/9/02-5/17/02
1	LIGHT YELLOW	LIGHT YELLOW
2	LIGHT YELLOW	LIGHT YELLOW
3	LIGHT YELLOW	LIGHT YELLOW
4	LIGHT YELLOW	LIGHT YELLOW
5	LIGHT BROWN WITH BUBBLES	YELLOW W/BUBBLES
6	LIGHT BROWN WITH BUBBLES	DARK YELLOW W/BUBBLES
7	BROWN WITH BUBBLES	DARK YELLOW W/BUBBLES
8	BROWN WITH BUBBLES	GREEN W/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 5/17/02-5/25/02	EFFLUENT 5/24/02-6/1/02
1	LIGHT YELLOW	YELLOW
2	LIGHT YELLOW	YELLOW
3	DARK YELLOW	YELLOW
4	DARK YELLOW W/BUBBLES	DARK YELLOW
5	DARK YELLOW W/BUBBLES	DARK YELLOW W/BUBBLES
6	GREEN W/BUBBLES	DARK YELLOW W/BUBBLES
7	GREEN W/BUBBLES	GREEN W/BUBBLES
8	GREEN W/BUBBLES	GREEN W/BUBBLES

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL		FEET		
DATE	MW02DP	MW03SP	MW05SP	MW05DP	MW06P	MW11BP
January 4, 2002	6.71	DRY	3.98	4.65	DRY	COVERED
February 6-7, 2002	7.03	DRY	DRY	4.82	DRY	COVERED
March 28, 2002	5.90	DRY	3.45	3.95	DRY	COVERED
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

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL			FEET
DATE	MW07P	MW08P	MW09SP			
January 04, 2002	DRY	4.21	6.32			
February 6-7, 2002	DRY	4.54	6.81			
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			

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020325**
DATE REPORTED: 20-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 28503 QC Prep Batch Number: 1000650 Collection: 5/7/2002 Time: 07:35
Client ID: 020507 Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	QH	5/7/2002 / 5/7/2002
1,1,1-Trichloroethane	94	ug/l	1.6	4.9	5		8260	QH	5/7/2002 / 5/7/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	QH	5/7/2002 / 5/7/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	QH	5/7/2002 / 5/7/2002
1,1-Dichloroethane	11	ug/l	1.6	5.1	5		8260	QH	5/7/2002 / 5/7/2002
1,1-Dichloroethene	5.4	ug/l	1.7	5.4	5	J	8260	QH	5/7/2002 / 5/7/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	QH	5/7/2002 / 5/7/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	QH	5/7/2002 / 5/7/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	QH	5/7/2002 / 5/7/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	QH	5/7/2002 / 5/7/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	QH	5/7/2002 / 5/7/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	QH	5/7/2002 / 5/7/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	5/7/2002 / 5/7/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	QH	5/7/2002 / 5/7/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	QH	5/7/2002 / 5/7/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	5/7/2002 / 5/7/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	QH	5/7/2002 / 5/7/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	QH	5/7/2002 / 5/7/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	QH	5/7/2002 / 5/7/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	QH	5/7/2002 / 5/7/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	QH	5/7/2002 / 5/7/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	QH	5/7/2002 / 5/7/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	QH	5/7/2002 / 5/7/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	QH	5/7/2002 / 5/7/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	QH	5/7/2002 / 5/7/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	QH	5/7/2002 / 5/7/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	QH	5/7/2002 / 5/7/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	QH	5/7/2002 / 5/7/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	QH	5/7/2002 / 5/7/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	QH	5/7/2002 / 5/7/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	QH	5/7/2002 / 5/7/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	QH	5/7/2002 / 5/7/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	QH	5/7/2002 / 5/7/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	QH	5/7/2002 / 5/7/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	QH	5/7/2002 / 5/7/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	QH	5/7/2002 / 5/7/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	QH	5/7/2002 / 5/7/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	QH	5/7/2002 / 5/7/2002
cis-1,2-Dichloroethene	25	ug/l	1.4	4.3	5		8260	QH	5/7/2002 / 5/7/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	QH	5/7/2002 / 5/7/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	QH	5/7/2002 / 5/7/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020325**
DATE REPORTED: 20-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	QH	5/7/2002 / 5/7/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	QH	5/7/2002 / 5/7/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	QH	5/7/2002 / 5/7/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	QH	5/7/2002 / 5/7/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	QH	5/7/2002 / 5/7/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	QH	5/7/2002 / 5/7/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	QH	5/7/2002 / 5/7/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	QH	5/7/2002 / 5/7/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	QH	5/7/2002 / 5/7/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	QH	5/7/2002 / 5/7/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	QH	5/7/2002 / 5/7/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	QH	5/7/2002 / 5/7/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	QH	5/7/2002 / 5/7/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	QH	5/7/2002 / 5/7/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	5/7/2002 / 5/7/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	QH	5/7/2002 / 5/7/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	QH	5/7/2002 / 5/7/2002
Tetrachloroethene	2.6	ug/l	1.6	4.9	5	J	8260	QH	5/7/2002 / 5/7/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	QH	5/7/2002 / 5/7/2002
trans-1,2-Dichloroethene	7.8	ug/l	1.3	4.0	5		8260	QH	5/7/2002 / 5/7/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	QH	5/7/2002 / 5/7/2002
Trichloroethene	290	ug/l	1.7	5.4	5		8260	QH	5/7/2002 / 5/7/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	QH	5/7/2002 / 5/7/2002
Vinyl chloride	1.6	ug/l	1.0	3.2	5	J	8260	QH	5/7/2002 / 5/7/2002

Sample Number: 28504
Client ID: 020507

QC Prep Batch Number: 1000650

Collection: 5/7/2002 Time: 07:35
Sample Description: WA01Q

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	5/7/2002 /
1,1,1-Trichloroethane	86	ug/l	1.6	4.9	5		8260	qh	5/7/2002 /
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	5/7/2002 /
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	5/7/2002 /
1,1-Dichloroethane	12	ug/l	1.6	5.1	5		8260	qh	5/7/2002 /
1,1-Dichloroethene	5.0	ug/l	1.7	5.4	5	J	8260	qh	5/7/2002 /
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	5/7/2002 /
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	5/7/2002 /
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	5/7/2002 /
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	5/7/2002 /
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/7/2002 /
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	5/7/2002 /
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/7/2002 /
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	5/7/2002 /
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	5/7/2002 /
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/7/2002 /

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020325**
DATE REPORTED: 20-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/7/2002 /
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/7/2002 /
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	5/7/2002 /
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	5/7/2002 /
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/7/2002 /
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	5/7/2002 /
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	5/7/2002 /
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/7/2002 /
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/7/2002 /
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	5/7/2002 /
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	5/7/2002 /
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/7/2002 /
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	5/7/2002 /
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	5/7/2002 /
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	5/7/2002 /
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/7/2002 /
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	5/7/2002 /
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/7/2002 /
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/7/2002 /
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	5/7/2002 /
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	5/7/2002 /
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	5/7/2002 /
cis-1,2-Dichloroethene	26	ug/l	1.4	4.3	5		8260	qh	5/7/2002 /
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	5/7/2002 /
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	5/7/2002 /
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	5/7/2002 /
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/7/2002 /
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/7/2002 /
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	5/7/2002 /
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/7/2002 /
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	5/7/2002 /
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	5/7/2002 /
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/7/2002 /
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/7/2002 /
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	5/7/2002 /
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	5/7/2002 /
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	5/7/2002 /
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/7/2002 /
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	5/7/2002 /
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/7/2002 /
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/7/2002 /
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/7/2002 /
Tetrachloroethene	2.9	ug/l	1.6	4.9	5	J	8260	qh	5/7/2002 /
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	5/7/2002 /
trans-1,2-Dichloroethene	8.3	ug/l	1.3	4.0	5		8260	qh	5/7/2002 /

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020325**
DATE REPORTED: 20-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/7/2002 /
Trichloroethene	265	ug/l	1.7	5.4	5		8260	qh	5/7/2002 /
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	5/7/2002 /
Vinyl chloride	1.9	ug/l	1.0	3.2	5	J	8260	qh	5/7/2002 /

Sample Number: 28506 QC Prep Batch Number: 1000650 Collection: 5/7/2002 Time: 07:27
Client ID: 020507 Sample Description: WA07P

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020325**
DATE REPORTED: 20-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	QH	5/7/2002 / 5/7/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	QH	5/7/2002 / 5/7/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	QH	5/7/2002 / 5/7/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	QH	5/7/2002 / 5/7/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	QH	5/7/2002 / 5/7/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	5/7/2002 / 5/7/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	QH	5/7/2002 / 5/7/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	QH	5/7/2002 / 5/7/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	QH	5/7/2002 / 5/7/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	QH	5/7/2002 / 5/7/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	QH	5/7/2002 / 5/7/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	QH	5/7/2002 / 5/7/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	QH	5/7/2002 / 5/7/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	5/7/2002 / 5/7/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	QH	5/7/2002 / 5/7/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	QH	5/7/2002 / 5/7/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	QH	5/7/2002 / 5/7/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	5/7/2002 / 5/7/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	5/7/2002 / 5/7/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	5/7/2002 / 5/7/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	5/7/2002 / 5/7/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	5/7/2002 / 5/7/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	5/7/2002 / 5/7/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	5/7/2002 / 5/7/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	5/7/2002 / 5/7/2002

Sample Number: 28507
Client ID: 020507

QC Prep Batch Number: 1000650

Collection: 5/7/2002 Time: 07:30
Sample Description: WA09P

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020325**
DATE REPORTED: 20-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020325**
DATE REPORTED: 20-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	5/7/2002 / 5/7/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	5/7/2002 / 5/7/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	5/7/2002 / 5/7/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	5/7/2002 / 5/7/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	5/7/2002 / 5/7/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	5/7/2002 / 5/7/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	5/7/2002 / 5/7/2002

Sample Number: 28508 QC Prep Batch Number: 1000650 Collection: 5/7/2002 Time:
Client ID: TRIP BLK Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020325**
DATE REPORTED: 20-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	QH	5/7/2002 / 5/7/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	QH	5/7/2002 / 5/7/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	QH	5/7/2002 / 5/7/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	5/7/2002 / 5/7/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	QH	5/7/2002 / 5/7/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	QH	5/7/2002 / 5/7/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	QH	5/7/2002 / 5/7/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	QH	5/7/2002 / 5/7/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	QH	5/7/2002 / 5/7/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	QH	5/7/2002 / 5/7/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	5/7/2002 / 5/7/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	QH	5/7/2002 / 5/7/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	QH	5/7/2002 / 5/7/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	QH	5/7/2002 / 5/7/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	QH	5/7/2002 / 5/7/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	QH	5/7/2002 / 5/7/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	QH	5/7/2002 / 5/7/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	QH	5/7/2002 / 5/7/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	5/7/2002 / 5/7/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	QH	5/7/2002 / 5/7/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	QH	5/7/2002 / 5/7/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	QH	5/7/2002 / 5/7/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	5/7/2002 / 5/7/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	5/7/2002 / 5/7/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	5/7/2002 / 5/7/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	5/7/2002 / 5/7/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	5/7/2002 / 5/7/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	5/7/2002 / 5/7/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	5/7/2002 / 5/7/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	5/7/2002 / 5/7/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	5/7/2002 / 5/7/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020325**
DATE REPORTED:	20-May-02
DATE RECEIVED:	07-May-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 5/20/02
James Chang, PhD. , Lab Director

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

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020325**
DATE REPORTED: 23-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 28502 Matrix: GW
Client ID: **020507**
Collection: 5/7/2002 Time: 07:40
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	5/8/2002	*1000661*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	5/15/2002	*1000677*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	LU	5/14/2002	*1000663*	
Cadmium-Total Recoverable	**0**	**ug/l**		0.4	1.3	7131				*Preliminary Data*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	5/15/2002	*1000677*	
Copper- ICAP	**0.007**	**mg/l**	***J*** **RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Iron - ICAP	**0.43**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	5/15/2002	*1000677*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	5/9/2002	*1000616*	
Manganese - ICAP	**0.12**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	5/10/2002	*1000620*	
Nickel - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	5/15/2002	*1000677*	
Selenium - Furnace AA	**6.7**	**ug/l**	***J*** **RJ**	4.8	15	270.2	lu	5/9/2002	*1000617*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	5/15/2002	*1000677*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	LU	5/15/2002	*1000689*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	5/15/2002	*1000677*	
COD. Total	**<5.7**	**mg/l**	**RJ**	5.7	18	410.4-CT	seh	5/9/2002	*1000759*	
Nitrate + Nitrite Nitrogen	**0.53**	**mg/l**		0.024	0.08	353.3	tds	5/9/2002	*1000767*	
Nitrogen, Ammonia	**0.79**	**mg/l**	**RJ**	0.1	0.32	350.1	TDS	5/17/2002	*1000766*	
Phosphorus, Total	**<0.1**	**mg/l**	**RJ**	0.1	0.32	365.2	tds	5/15/2002	*1000765*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	NR	5/10/2002	*1000619*	

Sample Number: 28503 Matrix: GW
Client ID: **020507**
Collection: 5/7/2002 Time: 07:35
Sample Description: WA01P

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	5/8/2002	*1000661*	
Barium - ICAP	**0.09**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	5/15/2002	*1000677*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	LU	5/14/2002	*1000663*	
Cadmium-Total Recoverable	**0**	**ug/l**		0.4	1.3	7131				*Preliminary Data*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	5/15/2002	*1000677*	
Copper- ICAP	**<0.06**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Iron - ICAP	**0.9**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	5/15/2002	*1000677*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	5/9/2002	*1000616*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020325**
DATE REPORTED: 23-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Manganese - ICAP	**0.12**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	5/10/2002	*1000620*	
Nickel - ICAP	**0.02**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	5/15/2002	*1000677*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	lu	5/9/2002	*1000617*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	5/15/2002	*1000677*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	LU	5/15/2002	*1000689*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	5/15/2002	*1000677*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	jts	5/20/2002	*1000758*	
COD. Total	**<5.7**	**mg/l**	**RJ**	5.7	18	410.4-CT	seh	5/9/2002	*1000759*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	5/17/2002	*1000704*	
Cyanide, Total	**0.01**	**mg/l**	***J* RJ**	0.006	0.02	335.2	bb/nr	5/17/2002	*1000702*	
pH (water)	**7.2**	**s.u.**	**# RJ**			150.1	lu	5/7/2002	*1000708*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	NR	5/10/2002	*1000641*	

Sample Number: 28504 Matrix: GW
Client ID: **020507**
Collection: 5/7/2002 Time: 07:35
Sample Description: WA01Q

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	lu	5/8/2002	*1000661*	
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	5/15/2002	*1000677*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	LU	5/14/2002	*1000663*	
Cadmium-Total Recoverable	**0**	**ug/l**		0.4	1.3	7131				*Preliminary Data*
Chromium, Total - ICAP	**0.01**	**mg/l**	***J* RJ**	0.008	0.03	200.7	ez	5/15/2002	*1000677*	
Copper- ICAP	**0.007**	**mg/l**	***J* RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Iron - ICAP	**2.4**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	5/15/2002	*1000677*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	5/9/2002	*1000616*	
Manganese - ICAP	**0.15**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	5/15/2002	*1000677*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	5/10/2002	*1000620*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	5/15/2002	*1000677*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	lu	5/9/2002	*1000617*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	5/15/2002	*1000677*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	LU	5/15/2002	*1000689*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	5/15/2002	*1000677*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	jts	5/20/2002	*1000758*	
COD. Total	**8**	**mg/l**	***J* RJ**	5.7	18	410.4-CT	seh	5/9/2002	*1000759*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	5/17/2002	*1000704*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020325**
DATE REPORTED: 23-May-02
DATE RECEIVED: 07-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Total	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb/nr	5/17/2002	*1000702*	
pH (water)	**7.1**	**s.u.**	**# RJ**			150.1	lu	5/7/2002	*1000708*	
Solids, Total Suspended	**7**	**mg/l**	**RJ**	1	3.2	SM 2540D	NR	5/10/2002	*1000641*	
Sample Number: 28505 Matrix: GW										
Client ID: **020507**								Collection: 5/7/2002		Time: 07:25
								Sample Description: WA05P		
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1	lu	5/7/2002	*1000708*	
Sample Number: 28507 Matrix: GW										
Client ID: **020507**								Collection: 5/7/2002		Time: 07:30
								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	jts	5/20/2002	*1000758*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	5/17/2002	*1000704*	
Cyanide, Total	**0.01**	**mg/l**	***J*** **RJ**	0.006	0.02	335.2	bb/nr	5/17/2002	*1000702*	
pH (water)	**8.1**	**s.u.**	**# RJ**			150.1	lu	5/7/2002	*1000708*	

Approved By: _____ **Date:** 5/23/02
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.

INORGANIC REPORT

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

WDNR# 241340550

INVOICE NUMBER **20020339**
DATE REPORTED: 05-Jun-02
DATE RECEIVED: 13-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 28557 Matrix: GW
Client ID: **020513**
Collection: 5/13/2002 Time: 09:39
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	LU	5/20/2002	*1000743*
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	lu	5/24/2002	*1000821*
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	LU	5/14/2002	*1000663*
Cadmium-Total Recoverable	**0**	**ug/l**		0.4	1.3	7131			*1000787*
Chromium, Total - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.008	0.03	200.7	lu	5/24/2002	*1000821*
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	lu	5/24/2002	*1000821*
Iron - ICAP	**0.33**	**mg/l**	**RJ**	0.081	0.26	200.7	lu	5/24/2002	*1000821*
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	5/14/2002	*1000672*
Manganese - ICAP	**0.11**	**mg/l**	**RJ**	0.006	0.02	200.7	lu	5/24/2002	*1000821*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	5/16/2002	*1000709*
Nickel - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	lu	5/24/2002	*1000821*
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	LU	5/20/2002	*1000755*
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	lu	5/24/2002	*1000821*
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	LU	5/15/2002	*1000689*
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	lu	5/24/2002	*1000821*

Sample Number: 28558 Matrix: GW
Client ID: **020513**
Collection: 5/13/2002 Time: 09:25
Sample Description: WA01P

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	LU	5/20/2002	*1000743*
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	lu	5/24/2002	*1000821*
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	LU	5/14/2002	*1000663*
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	LU	5/14/2002	*1000787*
Chromium, Total - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.008	0.03	200.7	lu	5/24/2002	*1000821*
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	lu	5/24/2002	*1000821*
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	lu	5/24/2002	*1000821*
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	5/14/2002	*1000672*
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	lu	5/24/2002	*1000821*
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	5/16/2002	*1000709*
Nickel - ICAP	**0.04**	**mg/l**	**RJ**	0.011	0.03	200.7	lu	5/24/2002	*1000821*
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	LU	5/20/2002	*1000755*
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	lu	5/24/2002	*1000821*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020339**
DATE REPORTED: 05-Jun-02
DATE RECEIVED: 13-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	LU	5/15/2002	*1000689*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	lu	5/24/2002	*1000821*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	JTS	5/14/2002	*1000724*	
Cyanide, Amenable	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	5/24/2002	*1000787*	
Cyanide, Total	**0.02**	**mg/l**	**HBS**	0.006	0.02	335.2	bb	5/23/2002	*1000787*	
pH (water)	**7.1**	**s.u.**	**# RJ**			150.1	LU	5/13/2002	*1000844*	

Sample Number: 28559 Matrix: GW
Client ID: **020513**
Collection: 5/13/2002 Time: 09:30
Sample Description: WA05P

pH (water)	**7.4**	**s.u.**	**# RJ**			150.1	LU	5/13/2002	*1000844*	

Sample Number: 28561 Matrix: GW
Client ID: **020513**
Collection: 5/13/2002 Time: 09:34
Sample Description: WA09P

Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	JTS	5/14/2002	*1000724*	
Cyanide, Amenable	**0.03**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	5/28/2002	*1000787*	
Cyanide, Total	**0.03**	**mg/l**	**HBS**	0.006	0.02	335.2	bb	5/23/2002	*1000787*	
pH (water)	**8**	**s.u.**	**# RJ**			150.1	LU	5/13/2002	*1000844*	

Approved By: James Chang **Date:** 6/5/02
James Chang, Ph.D., Lab Director

HBS *High blank spike recovery; result may be biased high.*
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: **20020339**
DATE REPORTED: 23-May-02
DATE RECEIVED: 13-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 28558 QC Prep Batch Number: 1000773 Collection: 5/13/2002 Time: 09:25
Client ID: 020513 Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	2		8260	qh	5/16/2002 / 5/16/2002
1,1,1-Trichloroethane	67	ug/l	0.62	2.0	2		8260	qh	5/16/2002 / 5/16/2002
1,1,2,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	2		8260	qh	5/16/2002 / 5/16/2002
1,1,2-Trichloroethane	< 0.88	ug/l	0.88	2.8	2		8260	qh	5/16/2002 / 5/16/2002
1,1-Dichloroethane	7.3	ug/l	0.64	2.0	2		8260	qh	5/16/2002 / 5/16/2002
1,1-Dichloroethene	4.0	ug/l	0.68	2.2	2		8260	qh	5/16/2002 / 5/16/2002
1,1-Dichloropropene	< 0.86	ug/l	0.86	2.7	2		8260	qh	5/16/2002 / 5/16/2002
1,2,3-Trichlorobenzene	< 1.0	ug/l	1.0	3.2	2		8260	qh	5/16/2002 / 5/16/2002
1,2,3-Trichloropropane	< 1.0	ug/l	1.0	3.2	2		8260	qh	5/16/2002 / 5/16/2002
1,2,4-Trichlorobenzene	< 0.94	ug/l	0.94	3.0	2		8260	qh	5/16/2002 / 5/16/2002
1,2,4-Trimethylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	5/16/2002 / 5/16/2002
1,2-Dibromoethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	5/16/2002 / 5/16/2002
1,2-Dichlorobenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	5/16/2002 / 5/16/2002
1,2-Dichloroethane	< 0.70	ug/l	0.70	2.2	2		8260	qh	5/16/2002 / 5/16/2002
1,2-Dichloropropane	< 0.64	ug/l	0.64	2.0	2		8260	qh	5/16/2002 / 5/16/2002
1,3,5-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	5/16/2002 / 5/16/2002
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	5/16/2002 / 5/16/2002
1,3-Dichloropropane	< 0.78	ug/l	0.78	2.5	2		8260	qh	5/16/2002 / 5/16/2002
1,4-Dichlorobenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	5/16/2002 / 5/16/2002
12Dibromo-3-chloropropan	< 0.66	ug/l	0.66	2.1	2		8260	qh	5/16/2002 / 5/16/2002
2,2-Dichloropropane	< 0.54	ug/l	0.54	1.7	2		8260	qh	5/16/2002 / 5/16/2002
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	2		8260	qh	5/16/2002 / 5/16/2002
2-Chloroethyl Vinyl Ether	< 1.4	ug/l	1.4	4.5	2		8260	qh	5/16/2002 / 5/16/2002
2-Chlorotoluene	< 0.60	ug/l	0.60	1.9	2		8260	qh	5/16/2002 / 5/16/2002
4-Chlorotoluene	< 0.52	ug/l	0.52	1.7	2		8260	qh	5/16/2002 / 5/16/2002
4-Methyl-2-Pentanone	< 1.6	ug/l	1.6	5.1	2		8260	qh	5/16/2002 / 5/16/2002
Acetone	< 3.1	ug/l	3.1	9.9	2		8260	qh	5/16/2002 / 5/16/2002
Benzene	< 0.54	ug/l	0.54	1.7	2		8260	qh	5/16/2002 / 5/16/2002
Bromobenzene	< 0.62	ug/l	0.62	2.0	2		8260	qh	5/16/2002 / 5/16/2002
Bromochloromethane	< 0.74	ug/l	0.74	2.4	2		8260	qh	5/16/2002 / 5/16/2002
Bromodichloromethane	< 0.76	ug/l	0.76	2.4	2		8260	qh	5/16/2002 / 5/16/2002
Bromoform	< 0.78	ug/l	0.78	2.5	2		8260	qh	5/16/2002 / 5/16/2002
Bromomethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	5/16/2002 / 5/16/2002
Carbon tetrachloride	< 0.54	ug/l	0.54	1.7	2		8260	qh	5/16/2002 / 5/16/2002
Chlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	qh	5/16/2002 / 5/16/2002
Chloroethane	< 1.3	ug/l	1.3	4.1	2		8260	qh	5/16/2002 / 5/16/2002
Chloroform	< 0.48	ug/l	0.48	1.5	2		8260	qh	5/16/2002 / 5/16/2002
Chloromethane	< 0.98	ug/l	0.98	3.1	2		8260	qh	5/16/2002 / 5/16/2002
cis-1,2-Dichloroethene	20	ug/l	0.54	1.7	2		8260	qh	5/16/2002 / 5/16/2002
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	2		8260	qh	5/16/2002 / 5/16/2002
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	2		8260	qh	5/16/2002 / 5/16/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020339**
DATE REPORTED: 23-May-02
DATE RECEIVED: 13-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.92	ug/l	0.92	2.9	2		8260	qh	5/16/2002 / 5/16/2002
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	2		8260	qh	5/16/2002 / 5/16/2002
Ethylbenzene	< 0.50	ug/l	0.50	1.6	2		8260	qh	5/16/2002 / 5/16/2002
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	2		8260	qh	5/16/2002 / 5/16/2002
Isopropyl Ether	< 0.60	ug/l	0.60	1.9	2		8260	qh	5/16/2002 / 5/16/2002
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	2		8260	qh	5/16/2002 / 5/16/2002
m&p-xylene	< 1.1	ug/l	1.1	3.4	2		8260	qh	5/16/2002 / 5/16/2002
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	2		8260	qh	5/16/2002 / 5/16/2002
Methylene chloride	< 0.60	ug/l	0.60	1.9	2		8260	qh	5/16/2002 / 5/16/2002
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	2		8260	qh	5/16/2002 / 5/16/2002
n-Propylbenzene	< 0.56	ug/l	0.56	1.8	2		8260	qh	5/16/2002 / 5/16/2002
Naphthalene	< 1.5	ug/l	1.5	4.8	2		8260	qh	5/16/2002 / 5/16/2002
o-xylene	< 0.50	ug/l	0.50	1.6	2		8260	qh	5/16/2002 / 5/16/2002
p-Isopropyltoluene	< 0.62	ug/l	0.62	2.0	2		8260	qh	5/16/2002 / 5/16/2002
sec-Butylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	qh	5/16/2002 / 5/16/2002
Styrene	< 0.50	ug/l	0.50	1.6	2		8260	qh	5/16/2002 / 5/16/2002
tert-Butylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	qh	5/16/2002 / 5/16/2002
Tetrachloroethene	2.1	ug/l	0.62	2.0	2		8260	qh	5/16/2002 / 5/16/2002
Toluene	< 0.58	ug/l	0.58	1.8	2		8260	qh	5/16/2002 / 5/16/2002
trans-1,2-Dichloroethene	8.3	ug/l	0.50	1.6	2		8260	qh	5/16/2002 / 5/16/2002
trans-1,3-Dichloropropene	< 0.52	ug/l	0.52	1.7	2		8260	qh	5/16/2002 / 5/16/2002
Trichloroethene	232	ug/l	0.68	2.2	2		8260	qh	5/16/2002 / 5/16/2002
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	2		8260	qh	5/16/2002 / 5/16/2002
Vinyl chloride	1.1	ug/l	0.40	1.3	2	J	8260	qh	5/16/2002 / 5/16/2002

Sample Number: 28560
Client ID: 020513

QC Prep Batch Number: 1000773

Collection: 5/13/2002 Time: 09:32
Sample Description: WA07P

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020339**
DATE REPORTED: 23-May-02
DATE RECEIVED: 13-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/16/2002 / 5/16/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/16/2002 / 5/16/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/16/2002 / 5/16/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/16/2002 / 5/16/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/16/2002 / 5/16/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	5/16/2002 / 5/16/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	5/16/2002 / 5/16/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/16/2002 / 5/16/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/16/2002 / 5/16/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	5/16/2002 / 5/16/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	5/16/2002 / 5/16/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/16/2002 / 5/16/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/16/2002 / 5/16/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/16/2002 / 5/16/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	5/16/2002 / 5/16/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/16/2002 / 5/16/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	5/16/2002 / 5/16/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/16/2002 / 5/16/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/16/2002 / 5/16/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	5/16/2002 / 5/16/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/16/2002 / 5/16/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/16/2002 / 5/16/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/16/2002 / 5/16/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/16/2002 / 5/16/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/16/2002 / 5/16/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/16/2002 / 5/16/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/16/2002 / 5/16/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/16/2002 / 5/16/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/16/2002 / 5/16/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/16/2002 / 5/16/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	5/16/2002 / 5/16/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/16/2002 / 5/16/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/16/2002 / 5/16/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/16/2002 / 5/16/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/16/2002 / 5/16/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/16/2002 / 5/16/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/16/2002 / 5/16/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/16/2002 / 5/16/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/16/2002 / 5/16/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/16/2002 / 5/16/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	5/16/2002 / 5/16/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020339**
DATE REPORTED: 23-May-02
DATE RECEIVED: 13-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/16/2002 / 5/16/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/16/2002 / 5/16/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/16/2002 / 5/16/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	5/16/2002 / 5/16/2002

Sample Number: 28561 QC Prep Batch Number: 1000773 Collection: 5/13/2002 Time: 09:34
Client ID: 020513 Sample Description: WA09P

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020339**
DATE REPORTED: 23-May-02
DATE RECEIVED: 13-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/16/2002 / 5/16/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/16/2002 / 5/16/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/16/2002 / 5/16/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/16/2002 / 5/16/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/16/2002 / 5/16/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/16/2002 / 5/16/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/16/2002 / 5/16/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/16/2002 / 5/16/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/16/2002 / 5/16/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/16/2002 / 5/16/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	5/16/2002 / 5/16/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/16/2002 / 5/16/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/16/2002 / 5/16/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/16/2002 / 5/16/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/16/2002 / 5/16/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/16/2002 / 5/16/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/16/2002 / 5/16/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/16/2002 / 5/16/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/16/2002 / 5/16/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/16/2002 / 5/16/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	5/16/2002 / 5/16/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/16/2002 / 5/16/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/16/2002 / 5/16/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/16/2002 / 5/16/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	5/16/2002 / 5/16/2002

Sample Number: 28562 QC Prep Batch Number: 1000773 Collection: 5/13/2002 Time:
Client ID: TRIP BLANK Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020339**
DATE REPORTED: 23-May-02
DATE RECEIVED: 13-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020339**
DATE REPORTED: 23-May-02
DATE RECEIVED: 13-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	5/16/2002 / 5/16/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	5/16/2002 / 5/16/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	5/16/2002 / 5/16/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	5/16/2002 / 5/16/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/16/2002 / 5/16/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/16/2002 / 5/16/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	5/16/2002 / 5/16/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	5/16/2002 / 5/16/2002

Approved By: James Chang/Lwg **Date:** 5/23/02
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.

New Report

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20020361**
DATE REPORTED: 14-Jun-02
DATE RECEIVED: 21-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 28635 Matrix: GW
Client ID: **020520**
Collection: 5/20/2002 Time: 09:05
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	lu	5/30/2002	1000892	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	lu	5/24/2002	1000821	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	lu	5/31/2002	1000910	
Cadmium-Total Recoverable	0	ug/l		0.4	1.3	7131				Preliminary Data
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	lu	5/24/2002	1000821	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	lu	5/24/2002	1000821	
Iron - ICAP	0.63	mg/l	RJ	0.081	0.26	200.7	lu	5/24/2002	1000821	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	lu	5/30/2002	1000894	
Manganese - ICAP	0.1	mg/l	RJ	0.006	0.02	200.7	lu	5/24/2002	1000821	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	5/24/2002	1000830	
Nickel - ICAP	0.01	mg/l	J RJ	0.011	0.03	200.7	lu	5/24/2002	1000821	
Selenium - Furnace AA	5.2	ug/l	J RJ	4.8	15	270.2	lu	5/31/2002	1000912	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	lu	5/24/2002	1000821	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	LU	5/28/2002	1000919	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	lu	5/24/2002	1000821	

Sample Number: 28636 Matrix: GW
Client ID: **020520**
Collection: 5/20/2002 Time: 07:54
Sample Description: WA01P

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	lu	5/30/2002	1000892	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	lu	5/24/2002	1000821	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	lu	5/31/2002	1000910	
Cadmium-Total Recoverable	0	ug/l		0.4	1.3	7131				Preliminary Data
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	lu	5/24/2002	1000821	
Copper- ICAP	0.007	mg/l	J RJ	0.006	0.02	200.7	lu	5/24/2002	1000821	
Iron - ICAP	0.94	mg/l	RJ	0.081	0.26	200.7	lu	5/24/2002	1000821	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	lu	5/30/2002	1000894	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	lu	5/24/2002	1000821	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	5/24/2002	1000830	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	lu	5/24/2002	1000821	
Selenium - Furnace AA	5.6	ug/l	J RJ	4.8	15	270.2	lu	5/31/2002	1000912	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	lu	5/24/2002	1000821	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020361
DATE REPORTED: 14-Jun-02
DATE RECEIVED: 21-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	LU	5/28/2002	*1000919*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	lu	5/24/2002	*1000821*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	JTS	5/22/2002	*1000851*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	6/3/2002	*1000914*	
Cyanide, Total	**0.02**	**mg/l**	**HBS**	0.006	0.02	335.2	bb	5/23/2002	*1000787*	
pH (water)	**7.1**	**s.u.**	**# RJ**			150.1	LU	5/21/2002	*1000917*	

Sample Number: 28637 Matrix: GW
Client ID: **020520**
Collection: 5/20/2002 Time: 09:07
Sample Description: WA05P

pH (water)	**7.6**	**s.u.**	**# RJ**			150.1	LU	5/21/2002	*1000917*	

Sample Number: 28639 Matrix: GW
Client ID: **020520**
Collection: 5/20/2002 Time: 09:00
Sample Description: WA09P

Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	JTS	5/22/2002	*1000851*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	6/3/2002	*1000914*	
Cyanide, Total	**0.02**	**mg/l**	**HBS**	0.006	0.02	335.2	bb	5/23/2002	*1000787*	
pH (water)	**8.1**	**s.u.**	**# RJ**			150.1	LU	5/21/2002	*1000917*	

Approved By: James Chang/Luying **Date:** 6/14/02
James Chang, Ph.D., Lab Director

HBS *High blank spike recovery; result may be biased high.*
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: **20020361**
DATE REPORTED: 31-May-02
DATE RECEIVED: 21-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 28636
Client ID: 020520

QC Prep Batch Number: 1000870

Collection: 5/20/2002 Time: 07:54
Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	5/22/2002 / 5/22/2002
1,1,1-Trichloroethane	81	ug/l	1.6	4.9	5		8260	qh	5/22/2002 / 5/22/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	5/22/2002 / 5/22/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	5/22/2002 / 5/22/2002
1,1-Dichloroethane	12	ug/l	1.6	5.1	5		8260	qh	5/22/2002 / 5/22/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/22/2002 / 5/22/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	5/22/2002 / 5/22/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	5/22/2002 / 5/22/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	5/22/2002 / 5/22/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	5/22/2002 / 5/22/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/22/2002 / 5/22/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	5/22/2002 / 5/22/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/22/2002 / 5/22/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	5/22/2002 / 5/22/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	5/22/2002 / 5/22/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/22/2002 / 5/22/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/22/2002 / 5/22/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/22/2002 / 5/22/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	5/22/2002 / 5/22/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	5/22/2002 / 5/22/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/22/2002 / 5/22/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	5/22/2002 / 5/22/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	5/22/2002 / 5/22/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/22/2002 / 5/22/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/22/2002 / 5/22/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	5/22/2002 / 5/22/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	5/22/2002 / 5/22/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/22/2002 / 5/22/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	5/22/2002 / 5/22/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	5/22/2002 / 5/22/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	5/22/2002 / 5/22/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/22/2002 / 5/22/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	5/22/2002 / 5/22/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/22/2002 / 5/22/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/22/2002 / 5/22/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	5/22/2002 / 5/22/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	5/22/2002 / 5/22/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	5/22/2002 / 5/22/2002
cis-1,2-Dichloroethene	29	ug/l	1.4	4.3	5		8260	qh	5/22/2002 / 5/22/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	5/22/2002 / 5/22/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	5/22/2002 / 5/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020361**
DATE REPORTED: 31-May-02
DATE RECEIVED: 21-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	5/22/2002 / 5/22/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/22/2002 / 5/22/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/22/2002 / 5/22/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	5/22/2002 / 5/22/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/22/2002 / 5/22/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	5/22/2002 / 5/22/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	5/22/2002 / 5/22/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/22/2002 / 5/22/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/22/2002 / 5/22/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	5/22/2002 / 5/22/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	5/22/2002 / 5/22/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	5/22/2002 / 5/22/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/22/2002 / 5/22/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	5/22/2002 / 5/22/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/22/2002 / 5/22/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/22/2002 / 5/22/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/22/2002 / 5/22/2002
Tetrachloroethene	3.8	ug/l	1.6	4.9	5	J	8260	qh	5/22/2002 / 5/22/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	5/22/2002 / 5/22/2002
trans-1,2-Dichloroethene	11	ug/l	1.3	4.0	5		8260	qh	5/22/2002 / 5/22/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/22/2002 / 5/22/2002
Trichloroethene	300	ug/l	1.7	5.4	5		8260	qh	5/22/2002 / 5/22/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	5/22/2002 / 5/22/2002
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	5/22/2002 / 5/22/2002

Sample Number: 28638
Client ID: 020520

QC Prep Batch Number: 1000870

Collection: 5/20/2002 Time: 09:09
Sample Description: WA07P

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020361**
DATE REPORTED: 31-May-02
DATE RECEIVED: 21-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/22/2002 / 5/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/22/2002 / 5/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/22/2002 / 5/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/22/2002 / 5/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/22/2002 / 5/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	5/22/2002 / 5/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	5/22/2002 / 5/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/22/2002 / 5/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/22/2002 / 5/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	5/22/2002 / 5/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	5/22/2002 / 5/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/22/2002 / 5/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/22/2002 / 5/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/22/2002 / 5/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	5/22/2002 / 5/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/22/2002 / 5/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	5/22/2002 / 5/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/22/2002 / 5/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/22/2002 / 5/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	5/22/2002 / 5/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/22/2002 / 5/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/22/2002 / 5/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/22/2002 / 5/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/22/2002 / 5/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/22/2002 / 5/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/22/2002 / 5/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/22/2002 / 5/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/22/2002 / 5/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/22/2002 / 5/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/22/2002 / 5/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	5/22/2002 / 5/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/22/2002 / 5/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/22/2002 / 5/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/22/2002 / 5/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/22/2002 / 5/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/22/2002 / 5/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/22/2002 / 5/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/22/2002 / 5/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/22/2002 / 5/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/22/2002 / 5/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	5/22/2002 / 5/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020361**
DATE REPORTED: 31-May-02
DATE RECEIVED: 21-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/22/2002 / 5/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/22/2002 / 5/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/22/2002 / 5/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	5/22/2002 / 5/22/2002

Sample Number: 28639 QC Prep Batch Number: 1000870 Collection: 5/20/2002 Time: 09:00
Client ID: 020520 Sample Description: WA09P

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020361**
DATE REPORTED: 31-May-02
DATE RECEIVED: 21-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/22/2002 / 5/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/22/2002 / 5/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/22/2002 / 5/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/22/2002 / 5/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/22/2002 / 5/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/22/2002 / 5/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/22/2002 / 5/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/22/2002 / 5/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/22/2002 / 5/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/22/2002 / 5/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	5/22/2002 / 5/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/22/2002 / 5/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/22/2002 / 5/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/22/2002 / 5/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/22/2002 / 5/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/22/2002 / 5/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/22/2002 / 5/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/22/2002 / 5/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/22/2002 / 5/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/22/2002 / 5/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	5/22/2002 / 5/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/22/2002 / 5/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/22/2002 / 5/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/22/2002 / 5/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	5/22/2002 / 5/22/2002

Sample Number: 28640 QC Prep Batch Number: 1000870 Collection: 5/20/2002 Time:
Client ID: TRIP BLK Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020361**
DATE REPORTED: 31-May-02
DATE RECEIVED: 21-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020361**
DATE REPORTED: 31-May-02
DATE RECEIVED: 21-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	5/22/2002 / 5/22/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	5/22/2002 / 5/22/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	5/22/2002 / 5/22/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	5/22/2002 / 5/22/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/22/2002 / 5/22/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/22/2002 / 5/22/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	5/22/2002 / 5/22/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	5/22/2002 / 5/22/2002

Approved By: James Chang / [illegible] **Date:** 5/31/02

James Chang, Ph.D., Lab Director

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

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ORGANIC REPORT

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WDNR# 241340550

BATCH NUMBER: **20020383**
DATE REPORTED: 31-May-02
DATE RECEIVED: 29-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 28686
Client ID: 020528wa01p
QC Prep Batch Number: 1000883
Collection: 5/28/2002 Time: 09:38
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	5/29/2002 / 5/29/2002
1,1,1-Trichloroethane	89	ug/l	1.6	4.9	5		8260	qh	5/29/2002 / 5/29/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	5/29/2002 / 5/29/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloroethane	11	ug/l	1.6	5.1	5		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloroethene	4.5	ug/l	1.7	5.4	5	J	8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	5/29/2002 / 5/29/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	5/29/2002 / 5/29/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	5/29/2002 / 5/29/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	5/29/2002 / 5/29/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/29/2002 / 5/29/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	5/29/2002 / 5/29/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/29/2002 / 5/29/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/29/2002 / 5/29/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/29/2002 / 5/29/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	5/29/2002 / 5/29/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	5/29/2002 / 5/29/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/29/2002 / 5/29/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	5/29/2002 / 5/29/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	5/29/2002 / 5/29/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/29/2002 / 5/29/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/29/2002 / 5/29/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	5/29/2002 / 5/29/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	5/29/2002 / 5/29/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/29/2002 / 5/29/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	5/29/2002 / 5/29/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	5/29/2002 / 5/29/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	5/29/2002 / 5/29/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/29/2002 / 5/29/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	5/29/2002 / 5/29/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/29/2002 / 5/29/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/29/2002 / 5/29/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	5/29/2002 / 5/29/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	5/29/2002 / 5/29/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	5/29/2002 / 5/29/2002
cis-1,2-Dichloroethene	25	ug/l	1.4	4.3	5		8260	qh	5/29/2002 / 5/29/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	5/29/2002 / 5/29/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	5/29/2002 / 5/29/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020383**
DATE REPORTED: 31-May-02
DATE RECEIVED: 29-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	5/29/2002 / 5/29/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	5/29/2002 / 5/29/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/29/2002 / 5/29/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	5/29/2002 / 5/29/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/29/2002 / 5/29/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	5/29/2002 / 5/29/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	5/29/2002 / 5/29/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	5/29/2002 / 5/29/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/29/2002 / 5/29/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	5/29/2002 / 5/29/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	5/29/2002 / 5/29/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	5/29/2002 / 5/29/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/29/2002 / 5/29/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	5/29/2002 / 5/29/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	5/29/2002 / 5/29/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	5/29/2002 / 5/29/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	5/29/2002 / 5/29/2002
Tetrachloroethene	3.5	ug/l	1.6	4.9	5	J	8260	qh	5/29/2002 / 5/29/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	5/29/2002 / 5/29/2002
trans-1,2-Dichloroethene	11	ug/l	1.3	4.0	5		8260	qh	5/29/2002 / 5/29/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	5/29/2002 / 5/29/2002
Trichloroethene	288	ug/l	1.7	5.4	5		8260	qh	5/29/2002 / 5/29/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	5/29/2002 / 5/29/2002
Vinyl chloride	1.8	ug/l	1.0	3.2	5	J	8260	qh	5/29/2002 / 5/29/2002

Sample Number: 28688 QC Prep Batch Number: 1000883 Collection: 5/28/2002 Time: 09:45
Client ID: 020528WA07P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	5/29/2002 / 5/29/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	5/29/2002 / 5/29/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	5/29/2002 / 5/29/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	5/29/2002 / 5/29/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	5/29/2002 / 5/29/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	5/29/2002 / 5/29/2002
1,2,4-Trimethylbenzene	0.50	ug/l	0.30	0.95	1	J	8260	qh	5/29/2002 / 5/29/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	5/29/2002 / 5/29/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020383**
DATE REPORTED: 31-May-02
DATE RECEIVED: 29-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/29/2002 / 5/29/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/29/2002 / 5/29/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/29/2002 / 5/29/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	5/29/2002 / 5/29/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	5/29/2002 / 5/29/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	5/29/2002 / 5/29/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	5/29/2002 / 5/29/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	5/29/2002 / 5/29/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	5/29/2002 / 5/29/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/29/2002 / 5/29/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/29/2002 / 5/29/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/29/2002 / 5/29/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/29/2002 / 5/29/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
Ethylbenzene	0.50	ug/l	0.25	0.80	1	J	8260	qh	5/29/2002 / 5/29/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/29/2002 / 5/29/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/29/2002 / 5/29/2002
m&p-xylene	0.70	ug/l	0.53	1.7	1	J	8260	qh	5/29/2002 / 5/29/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/29/2002 / 5/29/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/29/2002 / 5/29/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/29/2002 / 5/29/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	5/29/2002 / 5/29/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020383**
DATE REPORTED: 31-May-02
DATE RECEIVED: 29-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	5/29/2002 / 5/29/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	5/29/2002 / 5/29/2002

Sample Number: 28689 QC Prep Batch Number: 1000883 Collection: 5/28/2002 Time: 09:30
Client ID: 020528WA09P Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	5/29/2002 / 5/29/2002
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	5/29/2002 / 5/29/2002
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	5/29/2002 / 5/29/2002
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	5/29/2002 / 5/29/2002
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	5/29/2002 / 5/29/2002
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	5/29/2002 / 5/29/2002
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	5/29/2002 / 5/29/2002
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	5/29/2002 / 5/29/2002
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	5/29/2002 / 5/29/2002
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	5/29/2002 / 5/29/2002
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	qh	5/29/2002 / 5/29/2002
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	qh	5/29/2002 / 5/29/2002
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	qh	5/29/2002 / 5/29/2002
Acetone	< 1.6	**ug/l**	1.6	4.9	1		8260	qh	5/29/2002 / 5/29/2002
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Bromodichloromethane	< 0.38	**ug/l**	0.38	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Bromoform	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	5/29/2002 / 5/29/2002
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	5/29/2002 / 5/29/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020383**
DATE REPORTED: 31-May-02
DATE RECEIVED: 29-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/29/2002 / 5/29/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/29/2002 / 5/29/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/29/2002 / 5/29/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/29/2002 / 5/29/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/29/2002 / 5/29/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/29/2002 / 5/29/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	5/29/2002 / 5/29/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/29/2002 / 5/29/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/29/2002 / 5/29/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/29/2002 / 5/29/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	5/29/2002 / 5/29/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/29/2002 / 5/29/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	5/29/2002 / 5/29/2002

Sample Number: 28691
Client ID: TRIP BLANK

QC Prep Batch Number: 1000883

Collection: 5/28/2002 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	5/29/2002 / 5/29/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	5/29/2002 / 5/29/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	5/29/2002 / 5/29/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	5/29/2002 / 5/29/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	5/29/2002 / 5/29/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	5/29/2002 / 5/29/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020383**
DATE REPORTED: 31-May-02
DATE RECEIVED: 29-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	5/29/2002 / 5/29/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/29/2002 / 5/29/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/29/2002 / 5/29/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/29/2002 / 5/29/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	5/29/2002 / 5/29/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	5/29/2002 / 5/29/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	5/29/2002 / 5/29/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	5/29/2002 / 5/29/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	5/29/2002 / 5/29/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	5/29/2002 / 5/29/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	5/29/2002 / 5/29/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	5/29/2002 / 5/29/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	5/29/2002 / 5/29/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	5/29/2002 / 5/29/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	5/29/2002 / 5/29/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	5/29/2002 / 5/29/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	5/29/2002 / 5/29/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	5/29/2002 / 5/29/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	5/29/2002 / 5/29/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	5/29/2002 / 5/29/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	5/29/2002 / 5/29/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	5/29/2002 / 5/29/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020383**
DATE REPORTED: 31-May-02
DATE RECEIVED: 29-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	5/29/2002 / 5/29/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	5/29/2002 / 5/29/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	5/29/2002 / 5/29/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	5/29/2002 / 5/29/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	5/29/2002 / 5/29/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	5/29/2002 / 5/29/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	5/29/2002 / 5/29/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	5/29/2002 / 5/29/2002

Approved By: James Chang / Luying **Date:** 5/31/02
James Chang, Ph.D. , Lab Director

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020383**
DATE REPORTED: 05-Jun-02
DATE RECEIVED: 29-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 28686 Matrix: GW
Client ID: **020528wa01p**
Collection: 5/28/2002 Time: 09:38
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	lu	5/30/2002	*1000892*	
Barium - ICAP	**0.1**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	5/31/2002	*1000900*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	lu	5/31/2002	*1000910*	
Cadmium-Total Recoverable	**0**	**ug/l**			0.4	1.3	7131				*Preliminary Data*
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	5/31/2002	*1000900*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	5/31/2002	*1000900*	
Iron - ICAP	**1.1**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	5/31/2002	*1000900*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	lu	5/30/2002	*1000894*	
Manganese - ICAP	**0.15**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	5/31/2002	*1000900*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	6/4/2002	*1000936*	
Nickel - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	5/31/2002	*1000900*	
Selenium - Furnace AA	**5.6**	**ug/l**	*J*	**RJ**	4.8	15	270.2	lu	5/31/2002	*1000912*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	5/31/2002	*1000900*	
Thallium - Furnace AA	**1.9**	**ug/l**	*J*	**RJ**	1.3	4.1	279.2	LU	6/3/2002	*1000919*	
Zinc - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.014	0.04	200.7	bb	5/31/2002	*1000900*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	jst	5/29/2002	*1000972*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	6/3/2002	*1000914*	
Cyanide, Total	**<0.006**	**mg/l**		**LM**	0.006	0.02	335.2	bb	6/3/2002	*1000916*	
pH (water)	**7.5**	**s.u.**	#				150.1	lu	5/28/2002	*1000917*	

Sample Number: 28687 Matrix: GW
Client ID: **020528WA05P**
Collection: 5/28/2002 Time: 09:43
Sample Description:

pH (water)	**7.7**	**s.u.**	#				150.1	lu	5/28/2002	*1000917*	

Sample Number: 28689 Matrix: GW
Client ID: **020528WA09P**
Collection: 5/28/2002 Time: 09:30
Sample Description:

Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	jst	5/29/2002	*1000972*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	bb	6/3/2002	*1000914*	
Cyanide, Total	**<0.006**	**mg/l**		**LM**	0.006	0.02	335.2	bb	6/3/2002	*1000916*	
pH (water)	**8.2**	**s.u.**	#				150.1	lu	5/28/2002	*1000917*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020383**
DATE REPORTED: 05-Jun-02
DATE RECEIVED: 29-May-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 28690 Matrix: GW
Client ID: **020528WA09R**
Collection: 5/28/2002 Time: 09:35
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	lu	5/30/2002	*1000892*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	bb	5/31/2002	*1000900*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	lu	5/31/2002	*1000910*	
Cadmium-Total Recoverable	**0**	**ug/l**		0.4	1.3	7131				*Preliminary Data*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	bb	5/31/2002	*1000900*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	5/31/2002	*1000900*	
Iron - ICAP	**0.99**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	5/31/2002	*1000900*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	lu	5/30/2002	*1000894*	
Manganese - ICAP	**0.09**	**mg/l**	**RJ**	0.006	0.02	200.7	bb	5/31/2002	*1000900*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	6/4/2002	*1000936*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	bb	5/31/2002	*1000900*	
Selenium - Furnace AA	**5.6**	**ug/l**	***J*** **RJ**	4.8	15	270.2	lu	5/31/2002	*1000912*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	bb	5/31/2002	*1000900*	
Thallium - Furnace AA	**1.9**	**ug/l**	***J*** **RJ**	1.3	4.1	279.2	LU	6/3/2002	*1000919*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	bb	5/31/2002	*1000900*	

Approved By: James Chang/Lmj **Date:** 6/5/02
James Chang, Ph.D. , Lab Director

LM *Low matrix spike recovery probably due to matrix interference*
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.