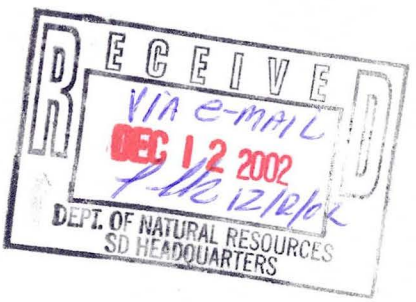
VIN BRETS

NOVEMBER 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

December 15, 2002

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for November, 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 a separate cover. The effluent sampling was conducted by Dean Groleau and Burt Bushke 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 Ferrellgas, Inc. A residential area is located across Eva Street, and a wetlands surrounds Davey Creek.

The contact person is Sharonne Baylor of the U.S. Army Corps of Engineers (USACE). Ms. Baylor can be reached at (507) 454-6150, Fax (507) 454-4963, or Sharonne.N.Baylor@mvp02.usace.army.mil. 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. APL, Inc. is contracted by the USACE to operate and maintain the plant. The contact for APL, Inc. is James Chang, who can be reached at (414) 355-5800, Fax (414) 355-3099, or jschang@aaahawk.com.

1.2 Project Objectives

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

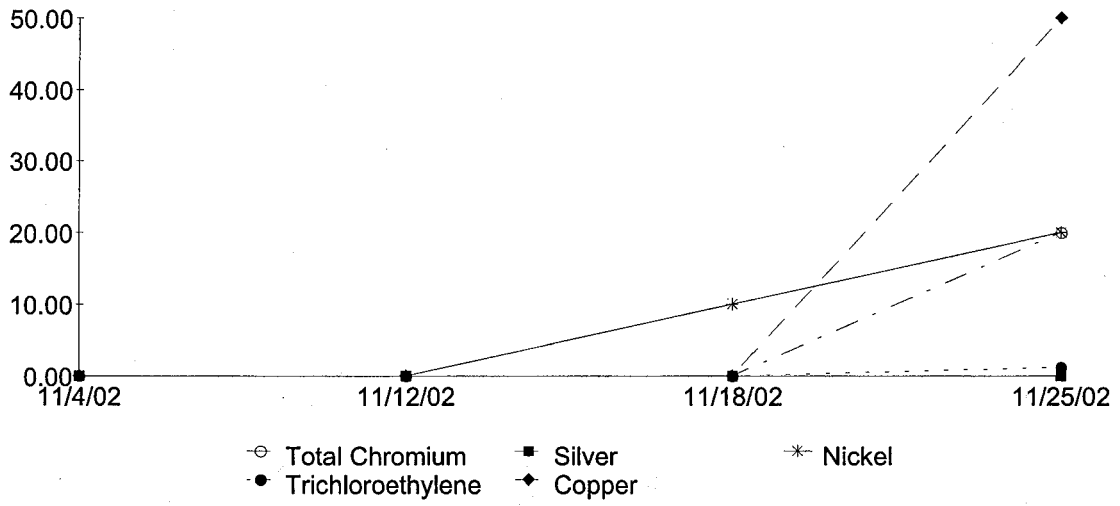
1.3 Effluent Monitoring

Weekly monitoring was conducted on November 4, 12, 18, and 25. The weekly samples for November were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in November showed exceedences in Trichloroethylene and Total Chromium of the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

The results of the November 25 weekly sampling round showed exceedences in Trichloroethylene (TCE) and Total Chromium 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 Trichloroethylene from the November 25 sampling. The November 25 Trichloroethylene result was 1.2 ug/l and the permit limit is 0.5 ug/l. There was no sample left for a re-testing of the November 25 sampling. A request was made for the lab to run the December 2 sample because that was the most recent sample since the exceedence. Mr. Kozol allowed the treatment plant to continue to run unless the Trichloroethylene results are > 1.0 ug/l for 3 consecutive weeks. If the Trichloroethylene results are > 1.0 ug/l for 3 consecutive weeks, then a more drastic decision will be made on allowing the treatment plant to continue to operate.

Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Total Chromium from the November 25 sampling. The November 25 result of Total Chromium was 20 ug/l. The permit limit for Total Chromium is 10 ug/l. The November 25 sample was re-tested for Total Chromium and the result of the re-test for Total Chromium was 20 ug/l. Mr. Kozol allowed the treatment plant to continue operating based on both results fell between the lab's Level of Detection (8 ug/l) and Level of Quantitation (30 ug/l). Mr. Kozol stated that if the analyses show that the exceedences are continuing, then more drastic measures will be taken.

3.0 Treatment Plant Shut Downs

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

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was operated during the month of November, 2002. There was not enough sludge to completely fill the press, so, there were no press loads in the hopper at the end of November, 2002.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on November 4, 12, 18, and 25 of 2002. The laboratory results of these samples showed that there were exceedences in Trichloroethylene and Total Chromium from the limits listed in the requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of November, 2002, the treatment plant had no down time.

The Sludge Filter Press (FP-800) was operated during the month of November, 2002. There were no filter press loads of dewatered sludge in the hopper at the end of November, 2002.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	11-12-02	
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	7.9	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	90	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	910	NT	NT	NT	240	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	140	NT	NT	NT	20	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	10	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	<17	NT	NT	NT	<17	40	
Cyanide Amenable	<17	NT	NT	NT	<17	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	4.1	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	20	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	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	76	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	294	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	1.4	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	>183	<40	38	*
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

* Chlorine, Total = Weekly average.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	11-18-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	7.5	N/A	N/A	7.8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	100	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	920	NT	NT	NT	220	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	140	NT	NT	NT	10	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	10	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	<17	NT	NT	NT	<17	40	
Cyanide Amenable	<17	NT	NT	NT	<17	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	2.2	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	23	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	9.4	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	3.9	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	71	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	283	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	1.6	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	89	<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.

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: Nov. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	5,331,105.00	42,407.00	0.042	
2	5,373,512.00	40,234.00	0.040	
3	5,413,746.00	41,018.00	0.041	
4	5,454,764.00	34,575.00	0.035	
5	5,489,339.00	34,799.00	0.035	
6	5,524,138.00	25,943.00	0.026	EW-5 OFF
7	5,550,081.00	33,813.00	0.034	EW-5 OFF
8	5,583,894.00	24,525.00	0.025	
9	5,608,419.00	33,196.00	0.033	
10	5,641,615.00	34,175.00	0.034	
11	5,675,790.00	42,996.00	0.043	
12	5,718,786.00	35,876.00	0.036	
13	5,754,662.00	28,998.00	0.029	
14	5,783,660.00	36,620.00	0.037	
15	5,820,280.00	27,869.00	0.028	
16	5,848,149.00	28,438.00	0.028	
17	5,876,587.00	40,785.00	0.041	
18	5,917,372.00	30,755.00	0.031	
19	5,948,127.00	34,678.00	0.035	
20	5,982,805.00	28,281.00	0.028	
21	6,011,086.00	29,028.00	0.029	SHUT DOWN
22	6,040,114.00	32,265.00	0.032	
23	6,072,379.00	33,040.00	0.033	
24	6,105,419.00	48,685.00	0.049	
25	6,154,104.00	36,740.00	0.037	
26	6,190,844.00	34,507.00	0.035	
27	6,225,351.00	25,652.00	0.026	
28	6,251,003.00	35,764.00	0.036	
29	6,286,767.00	34,346.00	0.034	
30	6,321,113.00	35,095.00	0.035	
December 01	6,356,208.00			
		TOTAL	1.027	
		AVERAGE	0.034	

FLOW FROM EQT-100

YEAR: 2002			
MONTH: Nov. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	8,313,050.00	25,512.00	0.026
2	8,338,562.00	46,946.00	0.047
3	8,385,508.00	49,298.00	0.049
4	8,434,806.00	40,935.00	0.041
5	8,475,741.00	41,548.00	0.042
6	8,517,289.00	32,790.00	0.033
7	8,550,079.00	40,240.00	0.040
8	8,590,319.00	33,258.00	0.033
9	8,623,577.00	39,619.00	0.040
10	8,663,196.00	37,547.00	0.038
11	8,700,743.00	50,242.00	0.050
12	8,750,985.00	48,320.00	0.048
13	8,799,305.00	34,866.00	0.035
14	8,834,171.00	44,081.00	0.044
15	8,878,252.00	33,842.00	0.034
16	8,912,094.00	33,000.00	0.033
17	8,945,094.00	46,498.00	0.046
18	8,991,592.00	36,431.00	0.036
19	9,028,023.00	42,387.00	0.042
20	9,070,410.00	37,326.00	0.037
21	9,107,736.00	28,941.00	0.029
22	9,136,677.00	38,270.00	0.038
23	9,174,947.00	39,029.00	0.039
24	9,213,976.00	57,272.00	0.057
25	9,271,248.00	43,573.00	0.044
26	9,314,821.00	41,113.00	0.041
27	9,355,934.00	30,825.00	0.031
28	9,386,759.00	42,612.00	0.043
29	9,429,371.00	41,410.00	0.041
30	9,470,781.00	42,080.00	0.042
December 01	9,512,861.00		
		TOTAL	1.199
		AVERAGE	0.040

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: Nov. DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	656,973.10	22,497.00	0.022	
2	679,470.10	40,418.00	0.040	
3	719,888.10	41,275.00	0.041	
4	761,163.10	34,518.00	0.035	
5	795,681.10	34,811.00	0.035	
6	830,492.10	26,317.00	0.026	EW-5 OFF
7	856,809.10	33,646.00	0.034	EW-5 OFF
8	890,455.10	23,563.20	0.024	
9	914,018.30	32,648.60	0.033	
10	946,666.90	35,339.00	0.035	
11	982,005.90	43,888.20	0.044	
12	1,025,894.10	36,003.00	0.036	
13	1,061,897.10	27,887.00	0.028	
14	1,089,784.10	37,810.00	0.038	
15	1,127,594.10	27,986.00	0.028	
16	1,155,580.10	28,854.00	0.029	
17	1,184,434.10	41,312.00	0.041	
18	1,225,746.10	31,837.00	0.032	
19	1,257,583.10	33,238.90	0.033	
20	1,290,822.00	28,254.10	0.028	
21	1,319,076.10	29,350.00	0.029	SHUT DOWN
22	1,348,426.10	30,231.50	0.030	
23	1,378,657.60	34,609.00	0.035	
24	1,413,266.60	50,388.50	0.050	
25	1,463,655.10	35,680.00	0.036	
26	1,499,335.10	34,705.00	0.035	
27	1,534,040.10	25,622.00	0.026	
28	1,559,662.10	34,489.60	0.034	
29	1,594,151.70	33,886.00	0.034	
30	1,628,037.70	35,330.60	0.035	
December 01	1,663,368.30			
		TOTAL	1.006	
		AVERAGE	0.034	

FLOW FROM EQT-100

YEAR: 2002			
MONTH: Nov. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	8,624,755.10	25,616.00	0.026
2	8,650,371.10	47,022.00	0.047
3	8,697,393.10	49,470.00	0.049
4	8,746,863.10	40,912.00	0.041
5	8,787,775.10	41,444.00	0.041
6	8,829,219.10	33,068.00	0.033
7	8,862,287.10	40,246.00	0.040
8	8,902,533.10	32,025.50	0.032
9	8,934,558.60	38,903.90	0.039
10	8,973,462.50	38,905.80	0.039
11	9,012,368.30	51,073.80	0.051
12	9,063,442.10	48,461.00	0.048
13	9,111,903.10	33,471.00	0.033
14	9,145,374.10	45,574.00	0.046
15	9,190,948.10	33,898.00	0.034
16	9,224,846.10	33,423.00	0.033
17	9,258,269.10	47,442.00	0.047
18	9,305,711.10	38,588.00	0.039
19	9,344,299.10	39,689.00	0.040
20	9,383,988.10	37,249.00	0.037
21	9,421,237.10	29,125.00	0.029
22	9,450,362.10	35,822.80	0.036
23	9,486,184.90	40,869.90	0.041
24	9,527,054.80	59,229.20	0.059
25	9,586,284.00	42,362.10	0.042
26	9,628,646.10	41,480.00	0.041
27	9,670,126.10	30,851.00	0.031
28	9,700,777.10	41,103.20	0.041
29	9,741,880.30	40,885.10	0.041
30	9,782,765.40	42,363.80	0.042
December 01	9,825,129.20		
		TOTAL	1.198
		AVERAGE	0.040

EFFLUENT FLOW FROM PLANT

YEAR: 2002			
MONTH: Nov. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	9,224,662.00	22,953.00	0.023
2	9,247,615.00	40,682.00	0.041
3	9,288,297.00	44,314.00	0.044
4	9,332,611.00	36,152.00	0.036
5	9,368,763.00	35,559.00	0.036
6	9,404,322.00	27,815.00	0.028
7	9,432,137.00	32,924.00	0.033
8	9,465,061.00	30,393.00	0.030
9	9,495,454.00	36,430.00	0.036
10	9,531,884.00	33,943.00	0.034
11	9,565,827.00	42,033.00	0.042
12	9,607,860.00	42,854.00	0.043
13	9,650,714.00	30,640.00	0.031
14	9,681,354.00	37,651.00	0.038
15	9,719,005.00	29,250.00	0.029
16	9,748,255.00	31,855.00	0.032
17	9,780,110.00	39,124.00	0.039
18	9,819,234.00	34,485.00	0.034
19	9,853,719.00	34,619.00	0.035
20	9,888,338.00	32,497.00	0.032
21	9,920,835.00	23,500.00	0.024
22	9,944,335.00	34,627.00	0.035
23	9,978,962.00	37,650.93	0.038
24	10,016,612.93	48,108.48	0.048
25	10,064,721.41	39,199.89	0.039
26	10,103,921.30	35,081.20	0.035
27	10,139,002.50	32,749.00	0.033
28	10,171,751.50	32,749.00	0.033
29	10,204,500.50	34,694.50	0.035
30	10,239,195.00	37,648.80	0.038
December 01	10,276,843.80		
		TOTAL	1.054
		AVERAGE	0.035

PRECIPITATION

YEAR: 2002	
MONTH: Nov. DAY	RAINFALL (INCHES)
1	0.00
2	0.00
3	0.00
4	0.00
5	0.10
6	0.00
7	0.00
8	0.00
9	0.00
10	0.20
11	0.40
12	0.24
13	0.00
14	0.00
15	0.00
16	0.00
17	0.00
18	0.00
19	0.25
20	0.00
21	0.00
22	0.00
23	0.20
24	0.00
25	0.00
26	0.00
27	0.00
28	0.00
29	0.00
30	0.10
TOTAL	1.49

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	11-25-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	7.6	N/A	N/A	7.5	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	20/20	10	**
Copper	<6	NT	NT	NT	50	Monitor	
Iron	1000	NT	NT	NT	270	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	120	NT	NT	NT	30	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	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	<14	Monitor	
Cyanide	<17	NT	NT	NT	<17	40	
Cyanide Amenable	<17	NT	NT	NT	<17	Monitor	
1,1-Dichloroethane	15	NT	<0.32	NT	0.49	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	4.7	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	27	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	7.6	NT	<0.25	NT	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	NT	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	NT	<0.3	0.5	
Tetrachloroethene	2.6	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	47	NT	<0.31	NT	1	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	218	NT	<0.34	NT	1.2	0.5	***
Vinyl Chloride	1.4	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	131	14	38	*
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

* Chlorine, Total = Weekly average.
** Exceedences-requested retesting to verify result. Second number.
*** Exceedences-requested retesting to verify result. There was not enough sample to retest the sample.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	11-04-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	8.9	7.5	N/A	N/A	7.6	Monitor	
TSS	<1	NT	NT	NT	<1	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	110	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	810	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	<11	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	7	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	9.2	NT	<0.32/<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35/<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34/<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	18	NT	<0.27/<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	1.7	NT	<0.25/<0.25	NT	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25/<0.25	NT	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3/<0.3	NT	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31/<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29/0.7	NT	<0.29	68	
1,1,1-Trichloroethane	50	NT	<0.31/<0.31	NT	2.4	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44/<0.44	NT	<0.44	0.5	
TCE	185	NT	<0.34/<0.34	NT	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2/<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53/0.74	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	171	14	38	*
COD	<5.7	NT	NT	NT	<5.7	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	0.21	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.46	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.68	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.

Sample Point "After the Air Stripper" was duplicated (second result).

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	EFFLUENT 10/27/02-11/4/02	EFFLUENT 11/4/02-11/12/02
1	LIGHT YELLOW	LIGHT YELLOW
2	LIGHT YELLOW W/BUBBLES	LIGHT YELLOW
3	LIGHT YELLOW W/BUBBLES	LIGHT YELLOW W/BUBBLES
4	LIGHT YELLOW W/BUBBLES	DARK YELLOW W/YELLOW BUBBLES
5	YELLOW W/BUBBLES	DARK YELLOW W/YELLOW BUBBLES
6	DARK YELLOW W/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
7	DARK YELLOW W/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
8	DARK YELLOW W/YELLOW BUBBLES	DARK YELLOW W/YELLOW 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 11/12/02-11/20/02	EFFLUENT 11/20/02-11/28/02
1	CLEAR	YELLOW
2	YELLOW	YELLOW W/BUBBLES
3	YELLOW W/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
4	YELLOW W/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
5	YELLOW W/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
6	DARK YELLOW W/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
7	DARK YELLOW W/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
8	DARK YELLOW W/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES

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	8.66	2.68
June 3-6, 2002	3.9	2.6	4.24	2.02	9.33	2.4
July 02, 2002	4.91	3.88	5.63	3.67	10.55	4.01
August 01, 2002	5.96	4.89	6.49	4.98	11.57	5.04
September 09, 2002	5.96	5.87	6.6	5.45	11.62	5.93
October 1, 2002	5.76	3.63	6.47	5.58	11.53	3.52
November 1, 2002	5.37	4.24	6.22	5.42	11.11	3.37

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL	FEET		
DATE	MW01DP	MW01SP	MW02SP	MW03DP	MW04DP	MW04SP
January 04, 2002	6.71	6.28	DRY	8.47	9.2	7.81
February 6-7, 2002	7.05	6.49	DRY	8.55	9.45	7.95
March 28, 2002	5.5	5.37	5.97	8.97	7.53	6.83
April 09, 2002	5.59	4.56	3.93	7	6.39	5.1
May 01, 2002	5.25	5.12	5.83	7.93	7.12	6.44
June 03, 2002	5.78	4.61	2.77	7.73	7.76	6.09
July 02, 2002	5.74	6.13	DRY	8.71	8.27	7.55
August 01, 2002	7.12	7.53	DRY	9.83	9.24	8.93
September 09, 2002	7.87	7.79	DRY	9.92	9.64	9.36
October 1, 2002	7.82	7.78	DRY	9.8	9.87	9.47
November 1, 2002	7.6	7.83	DRY	9.4	9.64	9.38

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL	FEET		
DATE	MW02DP	MW03SP	MW05SP	MW05DP	MW06P	MW11BP
January 4, 2002	6.71	DRY	3.98	4.65	DRY	COVERED
February 6-7, 2002	7.03	DRY	DRY	4.82	DRY	COVERED
March 28, 2002	5.90	DRY	3.45	3.95	DRY	COVERED
April 09, 2002	4.91	3.82	2.82	2.6	DRY	COVERED
May 01, 2002	5.91	DRY	3.44	3.97	DRY	COVERED
June 03, 2002	5.42	3.72	2.83	2.42	DRY	COVERED
July 02, 2002	6.73	DRY	4.1	4.75	DRY	COVERED
August 01, 2002	7.82	DRY	DRY	5.89	DRY	COVERED
September 09, 2002	7.85	DRY	DRY	5.82	DRY	COVERED
October 1, 2002	7.69	DRY	DRY	5.65	DRY	COVERED
November 1, 2002	7.34	DRY	DRY	5.25	DRY	COVERED
						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			
June 03, 2002	2.95	1.6	4.91			
July 02, 2002	5.03	4.08	6.21			
August 01, 2002	6.31	5.27	7.58			
September 09, 2002	6.17	5.42	7.56			
October 1, 2002	6.11	5.62	7.49			
November 1, 2002	6.24	5.79	7.5			

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20020805**
DATE REPORTED: 19-Nov-02
DATE RECEIVED: 04-Nov-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 30496	Matrix: GW								Collection: 11/4/2002		Time: 08:40
Client ID: **WA01P**									Sample Description: 021104		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	nr	11/6/2002	*1002619*	
Barium - ICAP	**0.12**	**mg/l**		**RJ**	0.007	0.02	200.7	am	11/14/2002	*1002684*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	nr	11/7/2002	*1002634*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	nr	11/7/2002	*1002637*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	am	11/14/2002	*1002684*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	am	11/14/2002	*1002684*	
Iron - ICAP	**1.1**	**mg/l**		**RJ**	0.081	0.26	200.7	am	11/14/2002	*1002684*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	nr	11/7/2002	*1002633*	
Manganese - ICAP	**0.15**	**mg/l**		**RJ**	0.006	0.02	200.7	am	11/14/2002	*1002684*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	am	11/6/2002	*1002623*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	am	11/14/2002	*1002684*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	nr	11/8/2002	*1002640*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	am	11/14/2002	*1002684*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	nr	11/8/2002	*1002644*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	am	11/14/2002	*1002684*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	am	11/19/2002	*1002755*	
COD, Total	**<5.7**	**mg/l**		**RJ**	5.7	18	410.4-CT	am	11/19/2002	*1002749*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	nr	11/6/2002	*1002618*	
Cyanide, Total	**0.007**	**mg/l**	*J*	**RJ**	0.006	0.02	335.2	nr	11/6/2002	*1002615*	
pH (water)	**6.9**	**s.u.**	#	**RJ**			150.1	am	11/7/2002	*1002630*	
Solids, Total Suspended	**<1**	**mg/l**		**RJ**	1	3.2	SM 2540D	nr	11/6/2002	*1002638*	
Sample Number: 30497	Matrix: GW								Collection: 11/4/2002		Time: 08:35
Client ID: **WA05P**									Sample Description: 021104		
pH (water)	**7.5**	**s.u.**	#	**RJ**			150.1	am	11/7/2002	*1002630*	
Sample Number: 30499	Matrix: GW								Collection: 11/4/2002		Time: 08:25
Client ID: **WA09P**									Sample Description: 021104		
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	am	11/19/2002	*1002755*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	nr	11/6/2002	*1002618*	
Cyanide, Total	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	nr	11/6/2002	*1002615*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020805**
DATE REPORTED: 19-Nov-02
DATE RECEIVED: 04-Nov-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
pH (water)	**7.6**	**s.u.**	**# RJ**			150.1	am	11/7/2002	*1002630*	
Sample Number: 30500	Matrix: GW							Collection: 11/4/2002	Time: 08:25	
Client ID: **WA09R**								Sample Description: 021104		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	nr	11/6/2002	*1002619*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	am	11/14/2002	*1002684*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	nr	11/7/2002	*1002634*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	nr	11/7/2002	*1002637*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	am	11/14/2002	*1002684*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	am	11/14/2002	*1002684*	
Iron - ICAP	**0.81**	**mg/l**	**RJ**	0.081	0.26	200.7	am	11/14/2002	*1002684*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	nr	11/7/2002	*1002633*	
Manganese - ICAP	**0.09**	**mg/l**	**RJ**	0.006	0.02	200.7	am	11/14/2002	*1002684*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	am	11/6/2002	*1002623*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	am	11/14/2002	*1002684*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	nr	11/8/2002	*1002640*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	am	11/14/2002	*1002684*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	nr	11/8/2002	*1002644*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	am	11/14/2002	*1002684*	
COD, Total	**<5.7**	**mg/l**	**RJ**	5.7	18	410.4-CT	am	11/19/2002	*1002749*	
Nitrate + Nitrite Nitrogen	**0.46**	**mg/l**	**RJ**	0.03	0.10	353.3	am	11/19/2002	*1002750*	
Nitrogen, Ammonia	**0.68**	**mg/l**	**RJ**	0.1	0.32	350.1	am	11/19/2002	*1002753*	
Phosphorus, Total	**0.21**	**mg/l**	***J*** **RJ**	0.1	0.32	365.2	am	11/19/2002	*1002754*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	nr	11/6/2002	*1002638*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20020805**
DATE REPORTED:	19-Nov-02
DATE RECEIVED:	04-Nov-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

Approved By: James Chang /bb **Date:** 11/19/02
James Chang, Ph.D., Lab Director

RJ *Result expressed as Total.*

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

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

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

WDNR# 241340550

BATCH NUMBER: **20020805**
DATE REPORTED: 18-Nov-02
DATE RECEIVED: 04-Nov-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: 30496
Client ID: WA01P

QC Prep Batch Number: 1002679

Collection: 11/4/2002 Time: 08:40
Sample Description: 021104

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	11/5/2002 / 11/5/2002
1,1,1-Trichloroethane	50	ug/l	1.6	4.9	5		8260	qh	11/5/2002 / 11/5/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	11/5/2002 / 11/5/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethane	9.2	ug/l	1.6	5.1	5		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/5/2002 / 11/5/2002
1,2-Dibromoethane	2.3	ug/l	2.3	7.3	5		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloroethane	1.8	ug/l	1.8	5.6	5		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloropropane	1.6	ug/l	1.6	5.1	5		8260	qh	11/5/2002 / 11/5/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/5/2002 / 11/5/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/5/2002 / 11/5/2002
1,3-Dichloropropane	2.0	ug/l	2.0	6.2	5		8260	qh	11/5/2002 / 11/5/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	11/5/2002 / 11/5/2002
12Dibromo-3-chloropropan	1.7	ug/l	1.7	5.2	5		8260	qh	11/5/2002 / 11/5/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/5/2002 / 11/5/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	11/5/2002 / 11/5/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	11/5/2002 / 11/5/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/5/2002 / 11/5/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.	5		8260	qh	11/5/2002 / 11/5/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	1	5		8260	qh	11/5/2002 / 11/5/2002
Acetone	< 7.8	ug/l	7.8	2	5		8260	qh	11/5/2002 / 11/5/2002
Benzene	< 1.4	ug/l	1.4	4	5		8260	qh	11/5/2002 / 11/5/2002
Bromobenzene	< 1.6	ug/l	1.6	4	5		8260	qh	11/5/2002 / 11/5/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.	5		8260	qh	11/5/2002 / 11/5/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	11/5/2002 / 11/5/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/5/2002 / 11/5/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	11/5/2002 / 11/5/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/5/2002 / 11/5/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/5/2002 / 11/5/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	11/5/2002 / 11/5/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	11/5/2002 / 11/5/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	11/5/2002 / 11/5/2002
cis-1,2-Dichloroethene	18	ug/l	1.4	4.3	5		8260	qh	11/5/2002 / 11/5/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	11/5/2002 / 11/5/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	11/5/2002 / 11/5/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020805**
DATE REPORTED: 18-Nov-02
DATE RECEIVED: 04-Nov-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	11/5/2002 / 11/5/2002
Dichlorodifluoromethane	1.4		**ug/l**	1.4	4.3	5		8260	qh	11/5/2002 / 11/5/2002
Ethylbenzene	1.3		**ug/l**	1.3	4.0	5		8260	qh	11/5/2002 / 11/5/2002
Hexachlorobutadiene	2.1		**ug/l**	2.1	6.7	5		8260	qh	11/5/2002 / 11/5/2002
Isopropyl Ether	1.5		**ug/l**	1.5	4.8	5		8260	qh	11/5/2002 / 11/5/2002
Isopropylbenzene	1.7		**ug/l**	1.7	5.2	5		8260	qh	11/5/2002 / 11/5/2002
m&p-xylene	2.7		**ug/l**	2.7	8.4	5		8260	qh	11/5/2002 / 11/5/2002
Methyl-t-butyl ether	2.0		**ug/l**	2.0	6.2	5		8260	qh	11/5/2002 / 11/5/2002
Methylene chloride	1.5		**ug/l**	1.5	4.8	5		8260	qh	11/5/2002 / 11/5/2002
n-Butylbenzene	1.8		**ug/l**	1.8	5.7	5		8260	qh	11/5/2002 / 11/5/2002
n-Propylbenzene	1.4		**ug/l**	1.4	4.5	5		8260	qh	11/5/2002 / 11/5/2002
Naphthalene	3.8		**ug/l**	3.8	12	5		8260	qh	11/5/2002 / 11/5/2002
o-xylene	1.3		**ug/l**	1.3	4.0	5		8260	qh	11/5/2002 / 11/5/2002
p-Isopropyltoluene	1.6		**ug/l**	1.6	4.9	5		8260	qh	11/5/2002 / 11/5/2002
sec-Butylbenzene	1.7		**ug/l**	1.7	5.4	5		8260	qh	11/5/2002 / 11/5/2002
Styrene	1.3		**ug/l**	1.3	4.0	5		8260	qh	11/5/2002 / 11/5/2002
tert-Butylbenzene	1.5		**ug/l**	1.5	4.8	5		8260	qh	11/5/2002 / 11/5/2002
Tetrachloroethene	1.6		**ug/l**	1.6	4.9	5		8260	qh	11/5/2002 / 11/5/2002
Toluene	1.5		**ug/l**	1.5	4.6	5		8260	qh	11/5/2002 / 11/5/2002
trans-1,2-Dichloroethene	1.7		**ug/l**	1.3	4.0	5	J	8260	qh	11/5/2002 / 11/5/2002
trans-1,3-Dichloropropene	1.3		**ug/l**	1.3	4.1	5		8260	qh	11/5/2002 / 11/5/2002
Trichloroethene	185		**ug/l**	1.7	5.4	5		8260	qh	11/5/2002 / 11/5/2002
Trichlorofluoromethane	1.2		**ug/l**	1.2	3.8	5		8260	qh	11/5/2002 / 11/5/2002
Vinyl chloride	1.0		**ug/l**	1.0	3.2	5		8260	qh	11/5/2002 / 11/5/2002

Sample Number: 30498 QC Prep Batch Number: 1002679 Collection: 11/4/2002 Time: 08:30
Client ID: WA07P Sample Description: 021104

1,1,1,2-Tetrachloroethane	0.22		**ug/l**	0.22	0.70	1		8260	qh	11/5/2002 / 11/5/2002
1,1,1-Trichloroethane	0.31		**ug/l**	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
1,1,2,2-Tetrachloroethane	0.44		**ug/l**	0.44	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,1,2-Trichloroethane	0.44		**ug/l**	0.44	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethane	0.32		**ug/l**	0.32	1.0	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethene	0.34		**ug/l**	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloropropene	0.43		**ug/l**	0.43	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichlorobenzene	0.50		**ug/l**	0.50	1.6	1		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichloropropane	0.51		**ug/l**	0.51	1.6	1		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trichlorobenzene	0.47		**ug/l**	0.47	1.5	1		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trimethylbenzene	0.30		**ug/l**	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dibromoethane	0.46		**ug/l**	0.46	1.5	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichlorobenzene	0.34		**ug/l**	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloroethane	0.35		**ug/l**	0.35	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloropropane	0.32		**ug/l**	0.32	1.0	1		8260	qh	11/5/2002 / 11/5/2002
1,3,5-Trimethylbenzene	0.34		**ug/l**	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020805**
DATE REPORTED: 18-Nov-02
DATE RECEIVED: 04-Nov-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	11/5/2002 / 11/5/2002
1,3-Dichloropropane	0.39	ug/l	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
1,4-Dichlorobenzene	0.36	ug/l	0.36	1.1	1		8260	qh	11/5/2002 / 11/5/2002
12Dibromo-3-chloropropan	0.33	ug/l	0.33	1.0	1		8260	qh	11/5/2002 / 11/5/2002
2,2-Dichloropropane	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
2-Butanone (MEK)	1.4	ug/l	1.4	4.4	1		8260	qh	11/5/2002 / 11/5/2002
2-Chloroethyl Vinyl Ether	0.70	ug/l	0.70	2.2	1		8260	qh	11/5/2002 / 11/5/2002
2-Chlorotoluene	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
4-Chlorotoluene	0.26	ug/l	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
4-Methyl-2-Pentanone	0.80	ug/l	0.80	2.5	1		8260	qh	11/5/2002 / 11/5/2002
Acetone	1.6	ug/l	1.6	4.9	1		8260	qh	11/5/2002 / 11/5/2002
Benzene	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Bromobenzene	0.31	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
Bromochloromethane	0.37	ug/l	0.37	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromodichloromethane	0.38	ug/l	0.38	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromoform	0.39	ug/l	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromomethane	0.65	ug/l	0.65	2.1	1		8260	qh	11/5/2002 / 11/5/2002
Carbon tetrachloride	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Chlorobenzene	0.26	ug/l	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
Chloroethane	0.64	ug/l	0.64	2.0	1		8260	qh	11/5/2002 / 11/5/2002
Chloroform	0.24	ug/l	0.24	0.76	1		8260	qh	11/5/2002 / 11/5/2002
Chloromethane	0.49	ug/l	0.49	1.6	1		8260	qh	11/5/2002 / 11/5/2002
cis-1,2-Dichloroethene	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
cis-1,3-Dichloropropene	0.37	ug/l	0.37	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Dibromochloromethane	0.41	ug/l	0.41	1.3	1		8260	qh	11/5/2002 / 11/5/2002
Dibromomethane	0.46	ug/l	0.46	1.5	1		8260	qh	11/5/2002 / 11/5/2002
Dichlorodifluoromethane	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Ethylbenzene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
Hexachlorobutadiene	0.42	ug/l	0.42	1.3	1		8260	qh	11/5/2002 / 11/5/2002
Isopropyl Ether	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
Isopropylbenzene	0.33	ug/l	0.33	1.0	1		8260	qh	11/5/2002 / 11/5/2002
m&p-xylene	0.53	ug/l	0.53	1.7	1		8260	qh	11/5/2002 / 11/5/2002
Methyl-t-butyl ether	0.39	ug/l	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Methylene chloride	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
n-Butylbenzene	0.36	ug/l	0.36	1.1	1		8260	qh	11/5/2002 / 11/5/2002
n-Propylbenzene	0.28	ug/l	0.28	0.89	1		8260	qh	11/5/2002 / 11/5/2002
Naphthalene	0.75	ug/l	0.75	2.4	1		8260	qh	11/5/2002 / 11/5/2002
o-xylene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
p-Isopropyltoluene	0.31	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
sec-Butylbenzene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
Styrene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
tert-Butylbenzene	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
Tetrachloroethene	0.31	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
Toluene	0.29	ug/l	0.29	0.92	1		8260	qh	11/5/2002 / 11/5/2002
trans-1,2-Dichloroethene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020805**
DATE REPORTED: 18-Nov-02
DATE RECEIVED: 04-Nov-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	11/5/2002 / 11/5/2002
Trichloroethene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
Trichlorofluoromethane	0.24	ug/l	0.24	0.76	1		8260	qh	11/5/2002 / 11/5/2002
Vinyl chloride	0.20	ug/l	0.20	0.64	1		8260	qh	11/5/2002 / 11/5/2002

Sample Number: 30499 QC Prep Batch Number: 1002679 Collection: 11/4/2002 Time: 08:25
Client ID: WA09P Sample Description: 021104

1,1,1,2-Tetrachloroethane	0.22	ug/l	0.22	0.70	1		8260	qh	11/5/2002 / 11/5/2002
1,1,1-Trichloroethane	2.4	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
1,1,2,2-Tetrachloroethane	0.44	ug/l	0.44	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,1,2-Trichloroethane	0.44	ug/l	0.44	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethane	0.32	ug/l	0.32	1.0	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloropropene	0.43	ug/l	0.43	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichlorobenzene	0.50	ug/l	0.50	1.6	1		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichloropropane	0.51	ug/l	0.51	1.6	1		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trichlorobenzene	0.47	ug/l	0.47	1.5	1		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trimethylbenzene	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dibromoethane	0.46	ug/l	0.46	1.5	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichlorobenzene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloroethane	0.35	ug/l	0.35	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloropropane	0.32	ug/l	0.32	1.0	1		8260	qh	11/5/2002 / 11/5/2002
1,3,5-Trimethylbenzene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,3-Dichlorobenzene	0.26	ug/l	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
1,3-Dichloropropane	0.39	ug/l	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
1,4-Dichlorobenzene	0.36	ug/l	0.36	1.1	1		8260	qh	11/5/2002 / 11/5/2002
12Dibromo-3-chloropropan	0.33	ug/l	0.33	1.0	1		8260	qh	11/5/2002 / 11/5/2002
2,2-Dichloropropane	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
2-Butanone (MEK)	1.4	ug/l	1.4	4.4	1		8260	qh	11/5/2002 / 11/5/2002
2-Chloroethyl Vinyl Ether	0.70	ug/l	0.70	2.2	1		8260	qh	11/5/2002 / 11/5/2002
2-Chlorotoluene	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
4-Chlorotoluene	0.26	ug/l	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
4-Methyl-2-Pentanone	0.80	ug/l	0.80	2.5	1		8260	qh	11/5/2002 / 11/5/2002
Acetone	1.6	ug/l	1.6	4.9	1		8260	qh	11/5/2002 / 11/5/2002
Benzene	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Bromobenzene	0.31	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
Bromochloromethane	0.37	ug/l	0.37	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromodichloromethane	0.38	ug/l	0.38	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromoform	0.39	ug/l	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromomethane	0.65	ug/l	0.65	2.1	1		8260	qh	11/5/2002 / 11/5/2002
Carbon tetrachloride	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Chlorobenzene	0.26	ug/l	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
Chloroethane	0.64	ug/l	0.64	2.0	1		8260	qh	11/5/2002 / 11/5/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020805**
DATE REPORTED: 18-Nov-02
DATE RECEIVED: 04-Nov-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	11/5/2002 / 11/5/2002
Chloromethane	0.49	ug/l	0.49	1.6	1		8260	qh	11/5/2002 / 11/5/2002
cis-1,2-Dichloroethene	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
cis-1,3-Dichloropropene	0.37	ug/l	0.37	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Dibromochloromethane	0.41	ug/l	0.41	1.3	1		8260	qh	11/5/2002 / 11/5/2002
Dibromomethane	0.46	ug/l	0.46	1.5	1		8260	qh	11/5/2002 / 11/5/2002
Dichlorodifluoromethane	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Ethylbenzene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
Hexachlorobutadiene	0.42	ug/l	0.42	1.3	1		8260	qh	11/5/2002 / 11/5/2002
Isopropyl Ether	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
Isopropylbenzene	0.33	ug/l	0.33	1.0	1		8260	qh	11/5/2002 / 11/5/2002
m&p-xylene	0.53	ug/l	0.53	1.7	1		8260	qh	11/5/2002 / 11/5/2002
Methyl-t-butyl ether	0.39	ug/l	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Methylene chloride	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
n-Butylbenzene	0.36	ug/l	0.36	1.1	1		8260	qh	11/5/2002 / 11/5/2002
n-Propylbenzene	0.28	ug/l	0.28	0.89	1		8260	qh	11/5/2002 / 11/5/2002
Naphthalene	0.75	ug/l	0.75	2.4	1		8260	qh	11/5/2002 / 11/5/2002
o-xylene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
p-Isopropyltoluene	0.31	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
sec-Butylbenzene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
Styrene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
tert-Butylbenzene	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
Tetrachloroethene	0.31	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
Toluene	0.29	ug/l	0.29	0.92	1		8260	qh	11/5/2002 / 11/5/2002
trans-1,2-Dichloroethene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
trans-1,3-Dichloropropene	0.26	ug/l	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
Trichloroethene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
Trichlorofluoromethane	0.24	ug/l	0.24	0.76	1		8260	qh	11/5/2002 / 11/5/2002
Vinyl chloride	0.20	ug/l	0.20	0.64	1		8260	qh	11/5/2002 / 11/5/2002

Sample Number: 30501 QC Prep Batch Number: 1002679 Collection: Time:
Client ID: Trip BLK Sample Description:

1,1,1,2-Tetrachloroethane	0.22	ug/l	0.22	0.70	1		8260	qh	11/5/2002 / 11/5/2002
1,1,1-Trichloroethane	0.31	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
1,1,2,2-Tetrachloroethane	0.44	ug/l	0.44	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,1,2-Trichloroethane	0.44	ug/l	0.44	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethane	0.32	ug/l	0.32	1.0	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,3-Dichloropropene	0.43	ug/l	0.43	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichlorobenzene	0.50	ug/l	0.50	1.6	1		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichloropropane	0.51	ug/l	0.51	1.6	1		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trichlorobenzene	0.47	ug/l	0.47	1.5	1		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trimethylbenzene	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020805**
DATE REPORTED: 18-Nov-02
DATE RECEIVED: 04-Nov-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	11/5/2002 / 11/5/2002
1,2-Dichlorobenzene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloroethane	0.35	ug/l	0.35	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloropropane	0.32	ug/l	0.32	1.0	1		8260	qh	11/5/2002 / 11/5/2002
1,3,5-Trimethylbenzene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,3-Dichlorobenzene	0.26	ug/l	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
1,3-Dichloropropane	0.39	ug/l	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
1,4-Dichlorobenzene	0.36	ug/l	0.36	1.1	1		8260	qh	11/5/2002 / 11/5/2002
12Dibromo-3-chloropropan	0.33	ug/l	0.33	1.0	1		8260	qh	11/5/2002 / 11/5/2002
2,2-Dichloropropane	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
2-Butanone (MEK)	1.4	ug/l	1.4	4.4	1		8260	qh	11/5/2002 / 11/5/2002
2-Chloroethyl Vinyl Ether	0.70	ug/l	0.70	2.2	1		8260	qh	11/5/2002 / 11/5/2002
2-Chlorotoluene	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
4-Chlorotoluene	0.26	ug/l	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
4-Methyl-2-Pentanone	0.80	ug/l	0.80	2.5	1		8260	qh	11/5/2002 / 11/5/2002
Acetone	1.6	ug/l	1.6	4.9	1		8260	qh	11/5/2002 / 11/5/2002
Benzene	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Bromobenzene	0.31	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
Bromochloromethane	0.37	ug/l	0.37	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromodichloromethane	0.38	ug/l	0.38	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromoform	0.39	ug/l	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromomethane	0.65	ug/l	0.65	2.1	1		8260	qh	11/5/2002 / 11/5/2002
Carbon tetrachloride	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Chlorobenzene	0.26	ug/l	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
Chloroethane	0.64	ug/l	0.64	2.0	1		8260	qh	11/5/2002 / 11/5/2002
Chloroform	0.24	ug/l	0.24	0.76	1		8260	qh	11/5/2002 / 11/5/2002
Chloromethane	0.49	ug/l	0.49	1.6	1		8260	qh	11/5/2002 / 11/5/2002
cis-1,2-Dichloroethene	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
cis-1,3-Dichloropropene	0.37	ug/l	0.37	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Dibromochloromethane	0.41	ug/l	0.41	1.3	1		8260	qh	11/5/2002 / 11/5/2002
Dibromomethane	0.46	ug/l	0.46	1.5	1		8260	qh	11/5/2002 / 11/5/2002
Dichlorodifluoromethane	0.27	ug/l	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Ethylbenzene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
Hexachlorobutadiene	0.42	ug/l	0.42	1.3	1		8260	qh	11/5/2002 / 11/5/2002
Isopropyl Ether	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
Isopropylbenzene	0.33	ug/l	0.33	1.0	1		8260	qh	11/5/2002 / 11/5/2002
m&p-xylene	0.53	ug/l	0.53	1.7	1		8260	qh	11/5/2002 / 11/5/2002
Methyl-t-butyl ether	0.39	ug/l	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Methylene chloride	0.30	ug/l	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
n-Butylbenzene	0.36	ug/l	0.36	1.1	1		8260	qh	11/5/2002 / 11/5/2002
n-Propylbenzene	0.28	ug/l	0.28	0.89	1		8260	qh	11/5/2002 / 11/5/2002
Naphthalene	0.75	ug/l	0.75	2.4	1		8260	qh	11/5/2002 / 11/5/2002
o-xylene	0.25	ug/l	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
p-Isopropyltoluene	0.31	ug/l	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
sec-Butylbenzene	0.34	ug/l	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020805**
DATE REPORTED: 18-Nov-02
DATE RECEIVED: 04-Nov-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	11/5/2002 / 11/5/2002
tert-Butylbenzene	0.30	**ug/l**	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
Tetrachloroethene	0.31	**ug/l**	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
Toluene	0.29	**ug/l**	0.29	0.92	1		8260	qh	11/5/2002 / 11/5/2002
trans-1,2-Dichloroethene	0.25	**ug/l**	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
trans-1,3-Dichloropropene	0.26	**ug/l**	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
Trichloroethene	0.34	**ug/l**	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
Trichlorofluoromethane	0.24	**ug/l**	0.24	0.76	1		8260	qh	11/5/2002 / 11/5/2002
Vinyl chloride	0.20	**ug/l**	0.20	0.64	1		8260	qh	11/5/2002 / 11/5/2002

Sample Number: 30502 QC Prep Batch Number: 1002679 Collection: 11/4/2002 Time: 08:30
Client ID: WA07Q Sample Description: 021104

1,1,1,2-Tetrachloroethane	0.22	**ug/l**	0.22	0.70	1		8260	qh	11/5/2002 / 11/5/2002
1,1,1-Trichloroethane	0.31	**ug/l**	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
1,1,2,2-Tetrachloroethane	0.44	**ug/l**	0.44	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,1,2-Trichloroethane	0.44	**ug/l**	0.44	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethane	0.32	**ug/l**	0.32	1.0	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloroethene	0.34	**ug/l**	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,1-Dichloropropene	0.43	**ug/l**	0.43	1.4	1		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichlorobenzene	0.50	**ug/l**	0.50	1.6	1		8260	qh	11/5/2002 / 11/5/2002
1,2,3-Trichloropropane	0.51	**ug/l**	0.51	1.6	1		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trichlorobenzene	0.47	**ug/l**	0.47	1.5	1		8260	qh	11/5/2002 / 11/5/2002
1,2,4-Trimethylbenzene	0.30	**ug/l**	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dibromoethane	0.46	**ug/l**	0.46	1.5	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichlorobenzene	0.34	**ug/l**	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloroethane	0.35	**ug/l**	0.35	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,2-Dichloropropane	0.32	**ug/l**	0.32	1.0	1		8260	qh	11/5/2002 / 11/5/2002
1,3,5-Trimethylbenzene	0.34	**ug/l**	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
1,3-Dichlorobenzene	0.26	**ug/l**	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
1,3-Dichloropropane	0.39	**ug/l**	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
1,4-Dichlorobenzene	0.36	**ug/l**	0.36	1.1	1		8260	qh	11/5/2002 / 11/5/2002
12Dibromo-3-chloropropan	0.33	**ug/l**	0.33	1.0	1		8260	qh	11/5/2002 / 11/5/2002
2,2-Dichloropropane	0.27	**ug/l**	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
2-Butanone (MEK)	1.4	**ug/l**	1.4	4.4	1		8260	qh	11/5/2002 / 11/5/2002
2-Chloroethyl Vinyl Ether	0.70	**ug/l**	0.70	2.2	1		8260	qh	11/5/2002 / 11/5/2002
2-Chlorotoluene	0.30	**ug/l**	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
4-Chlorotoluene	0.26	**ug/l**	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
4-Methyl-2-Pentanone	0.80	**ug/l**	0.80	2.5	1		8260	qh	11/5/2002 / 11/5/2002
Acetone	1.6	**ug/l**	1.6	4.9	1		8260	qh	11/5/2002 / 11/5/2002
Benzene	0.27	**ug/l**	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Bromobenzene	0.31	**ug/l**	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
Bromochloromethane	0.37	**ug/l**	0.37	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Bromodichloromethane	0.38	**ug/l**	0.38	1.2	1		8260	qh	11/5/2002 / 11/5/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020805**
DATE REPORTED: 18-Nov-02
DATE RECEIVED: 04-Nov-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	11/5/2002 / 11/5/2002
Bromomethane	0.65	**ug/l**	0.65	2.1	1		8260	qh	11/5/2002 / 11/5/2002
Carbon tetrachloride	0.27	**ug/l**	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Chlorobenzene	0.26	**ug/l**	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
Chloroethane	0.64	**ug/l**	0.64	2.0	1		8260	qh	11/5/2002 / 11/5/2002
Chloroform	0.24	**ug/l**	0.24	0.76	1		8260	qh	11/5/2002 / 11/5/2002
Chloromethane	0.49	**ug/l**	0.49	1.6	1		8260	qh	11/5/2002 / 11/5/2002
cis-1,2-Dichloroethene	0.27	**ug/l**	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
cis-1,3-Dichloropropene	0.37	**ug/l**	0.37	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Dibromochloromethane	0.41	**ug/l**	0.41	1.3	1		8260	qh	11/5/2002 / 11/5/2002
Dibromomethane	0.46	**ug/l**	0.46	1.5	1		8260	qh	11/5/2002 / 11/5/2002
Dichlorodifluoromethane	0.27	**ug/l**	0.27	0.86	1		8260	qh	11/5/2002 / 11/5/2002
Ethylbenzene	0.25	**ug/l**	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
Hexachlorobutadiene	0.42	**ug/l**	0.42	1.3	1		8260	qh	11/5/2002 / 11/5/2002
Isopropyl Ether	0.30	**ug/l**	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
Isopropylbenzene	0.33	**ug/l**	0.33	1.0	1		8260	qh	11/5/2002 / 11/5/2002
m&p-xylene	0.74	**ug/l**	0.53	1.7	1	J	8260	qh	11/5/2002 / 11/5/2002
Methyl-t-butyl ether	0.39	**ug/l**	0.39	1.2	1		8260	qh	11/5/2002 / 11/5/2002
Methylene chloride	0.30	**ug/l**	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
n-Butylbenzene	0.36	**ug/l**	0.36	1.1	1		8260	qh	11/5/2002 / 11/5/2002
n-Propylbenzene	0.28	**ug/l**	0.28	0.89	1		8260	qh	11/5/2002 / 11/5/2002
Naphthalene	0.75	**ug/l**	0.75	2.4	1		8260	qh	11/5/2002 / 11/5/2002
o-xylene	0.25	**ug/l**	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
p-Isopropyltoluene	0.31	**ug/l**	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
sec-Butylbenzene	0.34	**ug/l**	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
Styrene	0.25	**ug/l**	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
tert-Butylbenzene	0.30	**ug/l**	0.30	0.95	1		8260	qh	11/5/2002 / 11/5/2002
Tetrachloroethene	0.31	**ug/l**	0.31	0.99	1		8260	qh	11/5/2002 / 11/5/2002
Toluene	0.70	**ug/l**	0.29	0.92	1	J	8260	qh	11/5/2002 / 11/5/2002
trans-1,2-Dichloroethene	0.25	**ug/l**	0.25	0.80	1		8260	qh	11/5/2002 / 11/5/2002
trans-1,3-Dichloropropene	0.26	**ug/l**	0.26	0.83	1		8260	qh	11/5/2002 / 11/5/2002
Trichloroethene	0.34	**ug/l**	0.34	1.1	1		8260	qh	11/5/2002 / 11/5/2002
Trichlorofluoromethane	0.24	**ug/l**	0.24	0.76	1		8260	qh	11/5/2002 / 11/5/2002
Vinyl chloride	0.20	**ug/l**	0.20	0.64	1		8260	qh	11/5/2002 / 11/5/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020805**
DATE REPORTED:	18-Nov-02
DATE RECEIVED:	04-Nov-02
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: James Chang/LCB **Date:** 11/19/02
James Chang, Ph.D. , Lab Director

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

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

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20020831**
DATE REPORTED: 18-Dec-02
DATE RECEIVED: 12-Nov-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 30621		Matrix: GW							Collection: 11/12/2002	Time: 07:35	
Client ID: **WA01P**									Sample Description: 021112		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	mr	12/4/2002	*1002853*	
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.007	0.02	200.7	am	11/25/2002	*1002818*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	mr	12/4/2002	*1002867*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	mr	12/4/2002	*1002870*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	am	11/25/2002	*1002818*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	am	11/25/2002	*1002818*	
Iron - ICAP	**0.91**	**mg/l**		**RJ**	0.081	0.26	200.7	am	11/25/2002	*1002818*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	mr	12/5/2002	*1002864*	
Manganese - ICAP	**0.14**	**mg/l**		**RJ**	0.006	0.02	200.7	am	11/25/2002	*1002818*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	am	11/26/2002	*1002822*	
Nickel - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	am	11/25/2002	*1002818*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	mr	12/5/2002	*1002876*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	am	11/25/2002	*1002818*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	mr	12/5/2002	*1002886*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	am	11/25/2002	*1002818*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	am	12/10/2002	*1002903*	
Cyanide, Amenable	**<0.017**	**mg/l**		**RJ**	0.017	0.05	335.2	am	12/10/2002	*1002904*	
Cyanide, Total	**<0.017**	**mg/l**		**RJ**	0.017	0.05	335.2	am	12/10/2002	*1002910*	
pH (water)	**7.1**	**s.u.**	#	**RJ**			150.1	am	11/21/2002	*1002807*	
Sample Number: 30622		Matrix: GW							Collection: 11/12/2002	Time: 07:45	
Client ID: **WA05P**									Sample Description: 021112		
pH (water)	**7.4**	**s.u.**	#	**RJ**			150.1	am	11/21/2002	*1002807*	
Sample Number: 30624		Matrix: GW							Collection: 11/12/2002	Time: 07:40	
Client ID: **WA09P**									Sample Description: 021112		
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	am	12/10/2002	*1002903*	
Cyanide, Amenable	**<0.017**	**mg/l**		**RJ**	0.017	0.05	335.2	am	12/10/2002	*1002904*	
Cyanide, Total	**<0.017**	**mg/l**		**RJ**	0.017	0.05	335.2	am	12/10/2002	*1002910*	
pH (water)	**7.9**	**s.u.**	#	**RJ**			150.1	am	11/21/2002	*1002807*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020831**
DATE REPORTED: 18-Dec-02
DATE RECEIVED: 13-Nov-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
Sample Number: 30625	Matrix: GW							Collection: 11/12/2002	Time: 07:49	
Client ID: **WA09R**								Sample Description: 021112		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	nr	12/4/2002	*1002853*	
Barium - ICAP	**0.09**	**mg/l**	**RJ**	0.007	0.02	200.7	am	11/25/2002	*1002818*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	nr	12/4/2002	*1002867*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	nr	12/4/2002	*1002870*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	am	11/25/2002	*1002818*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	am	11/25/2002	*1002818*	
Iron - ICAP	**0.24**	**mg/l**	***J*** **RJ**	0.081	0.26	200.7	am	11/25/2002	*1002818*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	nr	12/5/2002	*1002864*	
Manganese - ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	am	11/25/2002	*1002818*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	am	11/26/2002	*1002822*	
Nickel - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	am	11/25/2002	*1002818*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	nr	12/5/2002	*1002876*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	am	11/25/2002	*1002818*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	nr	12/5/2002	*1002886*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	am	11/25/2002	*1002818*	

Approved By: James Chang JB **Date:** 12/17/02
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020831**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 12-Nov-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: 30621
Client ID: WA01P

QC Prep Batch Number: 1002710

Collection: 11/12/2002 Time: 07:35
Sample Description: 021112

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	11/14/2002 / 11/14/2002
1,1,1-Trichloroethane	76	ug/l	1.6	4.9	5		8260	qh	11/14/2002 / 11/14/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	11/14/2002 / 11/14/2002
1,1,2-Trichloroethane	2.2	ug/l	2.2	7.0	5		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloroethane	11	ug/l	1.6	5.1	5		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloroethene	4.1	ug/l	1.7	5.4	5	J	8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	11/14/2002 / 11/14/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	11/14/2002 / 11/14/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	11/14/2002 / 11/14/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	11/14/2002 / 11/14/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/14/2002 / 11/14/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	11/14/2002 / 11/14/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/14/2002 / 11/14/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/14/2002 / 11/14/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/14/2002 / 11/14/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	11/14/2002 / 11/14/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	11/14/2002 / 11/14/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/14/2002 / 11/14/2002
2-Butanone (MEK)	6.9	ug/l	6.9	22	5		8260	qh	11/14/2002 / 11/14/2002
2-Chloroethyl Vinyl Ether	3.5	ug/l	3.5	11	5		8260	qh	11/14/2002 / 11/14/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/14/2002 / 11/14/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/14/2002 / 11/14/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	11/14/2002 / 11/14/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	11/14/2002 / 11/14/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/14/2002 / 11/14/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	11/14/2002 / 11/14/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	11/14/2002 / 11/14/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	11/14/2002 / 11/14/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/14/2002 / 11/14/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	11/14/2002 / 11/14/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/14/2002 / 11/14/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/14/2002 / 11/14/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	11/14/2002 / 11/14/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	11/14/2002 / 11/14/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	11/14/2002 / 11/14/2002
cis-1,2-Dichloroethene	20	ug/l	1.4	4.3	5		8260	qh	11/14/2002 / 11/14/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	11/14/2002 / 11/14/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	11/14/2002 / 11/14/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020831**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 12-Nov-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	11/14/2002 / 11/14/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/14/2002 / 11/14/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/14/2002 / 11/14/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	11/14/2002 / 11/14/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/14/2002 / 11/14/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	11/14/2002 / 11/14/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	11/14/2002 / 11/14/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/14/2002 / 11/14/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/14/2002 / 11/14/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	11/14/2002 / 11/14/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	11/14/2002 / 11/14/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	11/14/2002 / 11/14/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/14/2002 / 11/14/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	11/14/2002 / 11/14/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/14/2002 / 11/14/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/14/2002 / 11/14/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/14/2002 / 11/14/2002
Tetrachloroethene	3.0	ug/l	1.6	4.9	5	J	8260	qh	11/14/2002 / 11/14/2002
Toluene	1.5	ug/l	1.5	4.6	5		8260	qh	11/14/2002 / 11/14/2002
trans-1,2-Dichloroethene	11	ug/l	1.3	4.0	5		8260	qh	11/14/2002 / 11/14/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/14/2002 / 11/14/2002
Trichloroethene	294	ug/l	1.7	5.4	5		8260	qh	11/14/2002 / 11/14/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	11/14/2002 / 11/14/2002
Vinyl chloride	1.4	ug/l	1.0	3.2	5	J	8260	qh	11/14/2002 / 11/14/2002

Sample Number: 30623 QC Prep Batch Number: 1002710 Collection: 11/12/2002 Time: 07:47
Client ID: WA07P Sample Description: 021112

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/14/2002 / 11/14/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/14/2002 / 11/14/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/14/2002 / 11/14/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/14/2002 / 11/14/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/14/2002 / 11/14/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/14/2002 / 11/14/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/14/2002 / 11/14/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020831**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 13-Nov-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	11/14/2002 / 11/14/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/14/2002 / 11/14/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/14/2002 / 11/14/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/14/2002 / 11/14/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/14/2002 / 11/14/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/14/2002 / 11/14/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/14/2002 / 11/14/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/14/2002 / 11/14/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/14/2002 / 11/14/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/14/2002 / 11/14/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/14/2002 / 11/14/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/14/2002 / 11/14/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/14/2002 / 11/14/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/14/2002 / 11/14/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/14/2002 / 11/14/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/14/2002 / 11/14/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/14/2002 / 11/14/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/14/2002 / 11/14/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/14/2002 / 11/14/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/14/2002 / 11/14/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/14/2002 / 11/14/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020831**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 13-Nov-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	11/14/2002 / 11/14/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/14/2002 / 11/14/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/14/2002 / 11/14/2002

Sample Number: 30624 QC Prep Batch Number: 1002710 Collection: 11/12/2002 Time: 07:40
Client ID: WA09P Sample Description: 021112

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/14/2002 / 11/14/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/14/2002 / 11/14/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/14/2002 / 11/14/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/14/2002 / 11/14/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/14/2002 / 11/14/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/14/2002 / 11/14/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/14/2002 / 11/14/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/14/2002 / 11/14/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/14/2002 / 11/14/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/14/2002 / 11/14/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/14/2002 / 11/14/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/14/2002 / 11/14/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/14/2002 / 11/14/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/14/2002 / 11/14/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Bromodichloromethane	0.64	ug/l	0.38	1.2	1	J	8260	qh	11/14/2002 / 11/14/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/14/2002 / 11/14/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/14/2002 / 11/14/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020831**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 13-Nov-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	11/14/2002 / 11/14/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/14/2002 / 11/14/2002
cis-1,2-Dichloroethene	0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/14/2002 / 11/14/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/14/2002 / 11/14/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/14/2002 / 11/14/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/14/2002 / 11/14/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/14/2002 / 11/14/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
n-Butylbenzene	0.36	ug/l	0.36	1.1	1		8260	qh	11/14/2002 / 11/14/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/14/2002 / 11/14/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/14/2002 / 11/14/2002
o-xylene	0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
p-Isopropyltoluene	0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
tert-Butylbenzene	0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
Tetrachloroethene	0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/14/2002 / 11/14/2002
trans-1,2-Dichloroethene	0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
Trichloroethene	0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
Trichlorofluoromethane	0.24	ug/l	0.24	0.76	1		8260	qh	11/14/2002 / 11/14/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/14/2002 / 11/14/2002

Sample Number: 30626 QC Prep Batch Number: 1002710 Collection: Time:
Client ID: Trip BLK Sample Description:

1,1,1,2-Tetrachloroethane	0.22	ug/l	0.22	0.70	1		8260	qh	11/14/2002 / 11/14/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/14/2002 / 11/14/2002
1,1,2-Trichloroethane	0.44	ug/l	0.44	1.4	1		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloroethane	0.32	ug/l	0.32	1.0	1		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/14/2002 / 11/14/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/14/2002 / 11/14/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/14/2002 / 11/14/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/14/2002 / 11/14/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020831**
DATE REPORTED:	02-Dec-02
DATE RECEIVED:	13-Nov-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	11/14/2002 / 11/14/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/14/2002 / 11/14/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/14/2002 / 11/14/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/14/2002 / 11/14/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/14/2002 / 11/14/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/14/2002 / 11/14/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/14/2002 / 11/14/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/14/2002 / 11/14/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/14/2002 / 11/14/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Bromoform	0.39	ug/l	0.39	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/14/2002 / 11/14/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/14/2002 / 11/14/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/14/2002 / 11/14/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/14/2002 / 11/14/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/14/2002 / 11/14/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/14/2002 / 11/14/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/14/2002 / 11/14/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/14/2002 / 11/14/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/14/2002 / 11/14/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/14/2002 / 11/14/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/14/2002 / 11/14/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/14/2002 / 11/14/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/14/2002 / 11/14/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/14/2002 / 11/14/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020831**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 13-Nov-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	11/14/2002 / 11/14/2002
tert-Butylbenzene	0.30	**ug/l**	0.30	0.95	1		8260	qh	11/14/2002 / 11/14/2002
Tetrachloroethene	0.31	**ug/l**	0.31	0.99	1		8260	qh	11/14/2002 / 11/14/2002
Toluene	0.29	**ug/l**	0.29	0.92	1		8260	qh	11/14/2002 / 11/14/2002
trans-1,2-Dichloroethene	0.25	**ug/l**	0.25	0.80	1		8260	qh	11/14/2002 / 11/14/2002
trans-1,3-Dichloropropene	0.26	**ug/l**	0.26	0.83	1		8260	qh	11/14/2002 / 11/14/2002
Trichloroethene	0.34	**ug/l**	0.34	1.1	1		8260	qh	11/14/2002 / 11/14/2002
Trichlorofluoromethane	0.24	**ug/l**	0.24	0.76	1		8260	qh	11/14/2002 / 11/14/2002
Vinyl chloride	0.20	**ug/l**	0.20	0.64	1		8260	qh	11/14/2002 / 11/14/2002

Approved By: James Chang/bb **Date:** 12/2 02
James Chang, Ph.D. , Lab Director

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

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

APL INC.

INORGANIC REPORT

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

DNR# 241340550

INVOICE NUMBER **20020849**
DATE REPORTED: 18-Dec-02
DATE RECEIVED: 18-Nov-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units		RQ	LOD	LOQ	Method	Anal	Date Anal	QC#	Comments
Sample Number: 30718		Matrix: GW							Collection: 11/18/2002		Time: 10:15
Client ID: **WA01P**									Sample Description: 021118		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2		12/4/2002	*1002853*	
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.007	0.02	200.7		11/25/2002	*1002818*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2		12/4/2002	*1002867*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131		12/4/2002	*1002870*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7		11/25/2002	*1002818*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7		11/25/2002	*1002818*	
Iron - ICAP	**0.92**	**mg/l**		**RJ**	0.081	0.26	200.7		11/25/2002	*1002818*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2		12/5/2002	*1002864*	
Manganese - ICAP	**0.14**	**mg/l**		**RJ**	0.006	0.02	200.7		11/25/2002	*1002818*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1		11/26/2002	*1002822*	
Nickel - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7		11/25/2002	*1002818*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2		12/5/2002	*1002876*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7		11/25/2002	*1002818*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2		12/5/2002	*1002886*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7		11/25/2002	*1002818*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D		12/10/2002	*1002903*	
Cyanide, Amenable	**<0.017**	**mg/l**		**RJ**	0.017	0.05	335.2		12/10/2002	*1002904*	
Cyanide, Total	**<0.017**	**mg/l**		**RJ**	0.017	0.05	335.2		12/10/2002	*1002910*	
pH (water)	**7**	**s.u.**	#	**RJ**			150.1		11/21/2002	*1002807*	
Sample Number: 30719		Matrix: GW							Collection: 11/18/2002		Time: 10:10
Client ID: **WA05P**									Sample Description: 021118		
pH (water)	**7.5**	**s.u.**	#	**RJ**			150.1		11/21/2002	*1002807*	
Sample Number: 30721		Matrix: GW							Collection: 11/18/2002		Time: 10:02
Client ID: **WA09P**									Sample Description: 021118		
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D		12/10/2002	*1002903*	
Cyanide, Amenable	**<0.017**	**mg/l**		**RJ**	0.017	0.05	335.2		12/10/2002	*1002904*	
Cyanide, Total	**<0.017**	**mg/l**		**RJ**	0.017	0.05	335.2		12/10/2002	*1002910*	
pH (water)	**7.8**	**s.u.**	#	**RJ**			150.1		11/21/2002	*1002807*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020849**
DATE REPORTED: 18-Dec-02
DATE RECEIVED: 18-Nov-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: 30722 Matrix: GW
Client ID: **WA09R**
Collection: 11/18/2002 Time: 10:07
Sample Description: 021118

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	nr	12/4/2002	*1002853*	
Barium - ICAP	**0.1**	**mg/l**		**RJ**	0.007	0.02	200.7	am	11/25/2002	*1002818*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	nr	12/4/2002	*1002867*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	nr	12/4/2002	*1002870*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	am	11/25/2002	*1002818*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	am	11/25/2002	*1002818*	
Iron - ICAP	**0.22**	**mg/l**	*J*	**RJ**	0.081	0.26	200.7	am	11/25/2002	*1002818*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	nr	12/5/2002	*1002864*	
Manganese - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.006	0.02	200.7	am	11/25/2002	*1002818*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	am	11/26/2002	*1002822*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	am	11/25/2002	*1002818*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	nr	12/5/2002	*1002876*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	am	11/25/2002	*1002818*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	nr	12/5/2002	*1002886*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	am	11/25/2002	*1002818*	

Approved By: James Chang/LAB **Date:** 12/17/02
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020849**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 18-Nov-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: 30718
Client ID: WA01P

QC Prep Batch Number: 1002805

Collection: 11/18/2002 Time: 10:15
Sample Description: 021118

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	11/19/2002 / 11/19/2002
1,1,1-Trichloroethane	71	ug/l	1.6	4.9	5		8260	qh	11/19/2002 / 11/19/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	11/19/2002 / 11/19/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloroethane	11	ug/l	1.6	5.1	5		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloroethene	2.2	ug/l	1.7	5.4	5	J	8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	11/19/2002 / 11/19/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	11/19/2002 / 11/19/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	11/19/2002 / 11/19/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	11/19/2002 / 11/19/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2002 / 11/19/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	11/19/2002 / 11/19/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/19/2002 / 11/19/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/19/2002 / 11/19/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/19/2002 / 11/19/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	11/19/2002 / 11/19/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	11/19/2002 / 11/19/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/19/2002 / 11/19/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	11/19/2002 / 11/19/2002
2-Chloroethyl Vinyl Ether	3.5	ug/l	3.5	11	5		8260	qh	11/19/2002 / 11/19/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2002 / 11/19/2002
4-Chlorotoluene	1.3	ug/l	1.3	4.1	5		8260	qh	11/19/2002 / 11/19/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	11/19/2002 / 11/19/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	11/19/2002 / 11/19/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/19/2002 / 11/19/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	11/19/2002 / 11/19/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	11/19/2002 / 11/19/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	11/19/2002 / 11/19/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/19/2002 / 11/19/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	11/19/2002 / 11/19/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/19/2002 / 11/19/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/19/2002 / 11/19/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	11/19/2002 / 11/19/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	11/19/2002 / 11/19/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	11/19/2002 / 11/19/2002
cis-1,2-Dichloroethene	23	ug/l	1.4	4.3	5		8260	qh	11/19/2002 / 11/19/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	11/19/2002 / 11/19/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	11/19/2002 / 11/19/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020849**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 18-Nov-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	11/19/2002 / 11/19/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/19/2002 / 11/19/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/19/2002 / 11/19/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	11/19/2002 / 11/19/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2002 / 11/19/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	11/19/2002 / 11/19/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	11/19/2002 / 11/19/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/19/2002 / 11/19/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2002 / 11/19/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	11/19/2002 / 11/19/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	11/19/2002 / 11/19/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	11/19/2002 / 11/19/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/19/2002 / 11/19/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	11/19/2002 / 11/19/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/19/2002 / 11/19/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/19/2002 / 11/19/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2002 / 11/19/2002
Tetrachloroethene	3.9	ug/l	1.6	4.9	5	J	8260	qh	11/19/2002 / 11/19/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	11/19/2002 / 11/19/2002
trans-1,2-Dichloroethene	9.4	ug/l	1.3	4.0	5		8260	qh	11/19/2002 / 11/19/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/19/2002 / 11/19/2002
Trichloroethene	283	ug/l	1.7	5.4	5		8260	qh	11/19/2002 / 11/19/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	11/19/2002 / 11/19/2002
Vinyl chloride	1.6	ug/l	1.0	3.2	5	J	8260	qh	11/19/2002 / 11/19/2002

Sample Number: 30720 QC Prep Batch Number: 1002805 Collection: 11/18/2002 Time: 10:00
Client ID: WA07P Sample Description: 021118

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/19/2002 / 11/19/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2002 / 11/19/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloropropene	0.43	ug/l	0.43	1.4	1		8260	qh	11/19/2002 / 11/19/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/19/2002 / 11/19/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/19/2002 / 11/19/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/19/2002 / 11/19/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichloroethane	0.35	ug/l	0.35	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2002 / 11/19/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3699

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020849**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 18-Nov-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	11/19/2002 / 11/19/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2002 / 11/19/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2002 / 11/19/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2002 / 11/19/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/19/2002 / 11/19/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/19/2002 / 11/19/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/19/2002 / 11/19/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/19/2002 / 11/19/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/19/2002 / 11/19/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/19/2002 / 11/19/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2002 / 11/19/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/19/2002 / 11/19/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/19/2002 / 11/19/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2002 / 11/19/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/19/2002 / 11/19/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2002 / 11/19/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/19/2002 / 11/19/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2002 / 11/19/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/19/2002 / 11/19/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/19/2002 / 11/19/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/19/2002 / 11/19/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020849**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 18-Nov-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	11/19/2002 / 11/19/2002
Trichloroethene	0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2002 / 11/19/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/19/2002 / 11/19/2002

Sample Number: 30721 QC Prep Batch Number: 1002805 Collection: 11/18/2002 Time: 10:02
Client ID: WA09P Sample Description: 021118

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/19/2002 / 11/19/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2002 / 11/19/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloroethene	0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/19/2002 / 11/19/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/19/2002 / 11/19/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/19/2002 / 11/19/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/19/2002 / 11/19/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2002 / 11/19/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2002 / 11/19/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2002 / 11/19/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2002 / 11/19/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/19/2002 / 11/19/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/19/2002 / 11/19/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/19/2002 / 11/19/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/19/2002 / 11/19/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/19/2002 / 11/19/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/19/2002 / 11/19/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020849**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 18-Nov-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	11/19/2002 / 11/19/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/19/2002 / 11/19/2002
cis-1,2-Dichloroethene	0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/19/2002 / 11/19/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2002 / 11/19/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/19/2002 / 11/19/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2002 / 11/19/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/19/2002 / 11/19/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2002 / 11/19/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/19/2002 / 11/19/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/19/2002 / 11/19/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
p-Isopropyltoluene	0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/19/2002 / 11/19/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2002 / 11/19/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/19/2002 / 11/19/2002

Sample Number: 30723 QC Prep Batch Number: 1002805 Collection: Time:
Client ID: Trip BLK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/19/2002 / 11/19/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2002 / 11/19/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/19/2002 / 11/19/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/19/2002 / 11/19/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/19/2002 / 11/19/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/19/2002 / 11/19/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002

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

WDNR# 241340550

BATCH NUMBER: **20020849**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 18-Nov-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	11/19/2002 / 11/19/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2002 / 11/19/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2002 / 11/19/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2002 / 11/19/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2002 / 11/19/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/19/2002 / 11/19/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/19/2002 / 11/19/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/19/2002 / 11/19/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/19/2002 / 11/19/2002
Benzene	0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/19/2002 / 11/19/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/19/2002 / 11/19/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2002 / 11/19/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/19/2002 / 11/19/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/19/2002 / 11/19/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2002 / 11/19/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2002 / 11/19/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/19/2002 / 11/19/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2002 / 11/19/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/19/2002 / 11/19/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2002 / 11/19/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2002 / 11/19/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/19/2002 / 11/19/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/19/2002 / 11/19/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020849**
DATE REPORTED: 02-Dec-02
DATE RECEIVED: 18-Nov-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	11/19/2002 / 11/19/2002
tert-Butylbenzene	0.30	**ug/l**	0.30	0.95	1		8260	qh	11/19/2002 / 11/19/2002
Tetrachloroethene	0.31	**ug/l**	0.31	0.99	1		8260	qh	11/19/2002 / 11/19/2002
Toluene	0.29	**ug/l**	0.29	0.92	1		8260	qh	11/19/2002 / 11/19/2002
trans-1,2-Dichloroethene	0.25	**ug/l**	0.25	0.80	1		8260	qh	11/19/2002 / 11/19/2002
trans-1,3-Dichloropropene	0.26	**ug/l**	0.26	0.83	1		8260	qh	11/19/2002 / 11/19/2002
Trichloroethene	0.34	**ug/l**	0.34	1.1	1		8260	qh	11/19/2002 / 11/19/2002
Trichlorofluoromethane	0.24	**ug/l**	0.24	0.76	1		8260	qh	11/19/2002 / 11/19/2002
Vinyl chloride	0.20	**ug/l**	0.20	0.64	1		8260	qh	11/19/2002 / 11/19/2002

Approved By: James Chang /bB **Date:** 12/2/02
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.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20020876**
DATE REPORTED: 18-Dec-02
DATE RECEIVED: 25-Nov-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 30846	Matrix: GW							Collection: 11/25/2002	Time: 08:10	
Client ID: **WA01P**								Sample Description: 021125		
Arsenic - Furnace AA	**<5.6**	ug/l	RJ	5.6	18	206.2	nr	12/6/2002	*1002887*	
Barium - ICAP	**0.1**	mg/l	RJ	0.007	0.02	200.7	am	12/6/2002	*1002878*	
Cadmium - Furnace AA	**<0.4**	ug/l	RJ	0.4	1.3	213.2	nr	12/4/2002	*1002867*	
Cadmium-Total Recoverable	**<0.4**	ug/l	RJ	0.4	1.3	7131	nr	12/4/2002	*1002870*	
Chromium, Total - ICAP	**<0.008**	mg/l	RJ	0.008	0.03	200.7	am	12/6/2002	*1002878*	
Copper- ICAP	**<0.006**	mg/l	RJ	0.006	0.02	200.7	am	12/6/2002	*1002878*	
Iron - ICAP	**1**	mg/l	RJ	0.081	0.26	200.7	am	12/6/2002	*1002878*	
Lead - Furnace AA	**<1.5**	ug/l	RJ	1.5	4.8	239.2	nr	12/5/2002	*1002864*	
Manganese - ICAP	**0.12**	mg/l	RJ	0.006	0.02	200.7	am	12/6/2002	*1002878*	
Mercury CV	**<0.0002**	mg/l	RJ	0.0002	0.0006	245.1	am	12/9/2002	*1002897*	
Nickel - ICAP	**<0.011**	mg/l	RJ	0.011	0.03	200.7	am	12/6/2002	*1002878*	
Selenium - Furnace AA	**<4.8**	ug/l	RJ	4.8	15	270.2	nr	12/5/2002	*1002876*	
Silver - ICAP	**<0.004**	mg/l	RJ	0.004	0.01	200.7	am	12/6/2002	*1002878*	
Thallium - Furnace AA	**<1.3**	ug/l	RJ	1.3	4.1	279.2	nr	12/5/2002	*1002886*	
Zinc - ICAP	**<0.014**	mg/l	RJ	0.014	0.04	200.7	am	12/6/2002	*1002878*	
Chromium, Hexavalent	**<0.0042**	mg/l	RJ	0.004	0.01	SM 3500D	am	12/10/2002	*1002903*	
Cyanide, Amenable	**<0.017**	mg/l	RJ	0.017	0.05	335.2	am	12/10/2002	*1002904*	
Cyanide, Total	**<0.017**	mg/l	RJ	0.017	0.05	335.2	am	12/10/2002	*1002910*	
pH (water)	**6.9**	s.u.	# RJ			150.1	am	12/10/2002	*1002901*	
Sample Number: 30847	Matrix: GW							Collection: 11/25/2002	Time: 08:15	
Client ID: **WA05P**								Sample Description: 021125		
pH (water)	**7.6**	s.u.	# RJ			150.1		12/10/2002	*1002901*	
Sample Number: 30849	Matrix: GW							Collection: 11/25/2002	Time: 08:20	
Client ID: **WA09P**								Sample Description: 021125		
Chromium, Hexavalent	**<0.0042**	mg/l	RJ	0.004	0.01	SM 3500D		12/10/2002	*1002903*	
Cyanide, Amenable	**<0.017**	mg/l	RJ	0.017	0.05	335.2		12/10/2002	*1002904*	
Cyanide, Total	**<0.017**	mg/l	RJ	0.017	0.05	335.2		12/10/2002	*1002910*	
pH (water)	**7.5**	s.u.	# RJ			150.1		12/10/2002	*1002901*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020876**
DATE REPORTED: 18-Dec-02
DATE RECEIVED: 25-Nov-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: 30850 Matrix: GW
Client ID: **WA09R**
Collection: 11/25/2002 Time: 08:25
Sample Description: 021125

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	nr	12/6/2002	*1002887*	
Barium - ICAP	**0.1**	**mg/l**		**RJ**	0.007	0.02	200.7	am	12/6/2002	*1002878*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	nr	12/4/2002	*1002867*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	nr	12/4/2002	*1002870*	
Chromium, Total - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.008	0.03	200.7	am	12/6/2002	*1002878*	
Copper- ICAP	**0.05**	**mg/l**		**RJ**	0.006	0.02	200.7	am	12/6/2002	*1002878*	
Iron - ICAP	**0.27**	**mg/l**		**RJ**	0.081	0.26	200.7	am	12/6/2002	*1002878*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	nr	12/5/2002	*1002864*	
Manganese - ICAP	**0.03**	**mg/l**		**RJ**	0.006	0.02	200.7	am	12/6/2002	*1002878*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	am	12/9/2002	*1002897*	
Nickel - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	am	12/6/2002	*1002878*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	nr	12/5/2002	*1002876*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	am	12/6/2002	*1002878*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	nr	12/5/2002	*1002886*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	am	12/6/2002	*1002878*	

Approved By: James Chang/bb **Date:** 12/17/02
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020876**
DATE REPORTED: 10-Dec-02
DATE RECEIVED: 25-Nov-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: 30846 QC Prep Batch Number: 1002874 Collection: 11/25/2002 Time: 08:10
Client ID: WA01P Sample Description: 021125

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	/ 12/4/2002
1,1,1-Trichloroethane	47	ug/l	1.6	4.9	5		8260	qh	/ 12/4/2002
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	/ 12/4/2002
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	/ 12/4/2002
1,1-Dichloroethane	15	ug/l	1.6	5.1	5		8260	qh	/ 12/4/2002
1,1-Dichloroethene	4.7	ug/l	1.7	5.4	5	J	8260	qh	/ 12/4/2002
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	qh	/ 12/4/2002
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	qh	/ 12/4/2002
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	qh	/ 12/4/2002
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	qh	/ 12/4/2002
1,2,4-Trimethylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	/ 12/4/2002
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	qh	/ 12/4/2002
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	/ 12/4/2002
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	qh	/ 12/4/2002
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	qh	/ 12/4/2002
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	/ 12/4/2002
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	/ 12/4/2002
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	/ 12/4/2002
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	/ 12/4/2002
12Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	qh	/ 12/4/2002
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	/ 12/4/2002
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	/ 12/4/2002
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	/ 12/4/2002
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	/ 12/4/2002
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	/ 12/4/2002
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	/ 12/4/2002
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	/ 12/4/2002
Benzene	<1.4	ug/l	1.4	4.3	5		8260	qh	/ 12/4/2002
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	/ 12/4/2002
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	/ 12/4/2002
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	/ 12/4/2002
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	/ 12/4/2002
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	/ 12/4/2002
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	/ 12/4/2002
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	/ 12/4/2002
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	/ 12/4/2002
Chloroform	<1.2	ug/l	1.2	3.8	5		8260	qh	/ 12/4/2002
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	qh	/ 12/4/2002
cis-1,2-Dichloroethene	27	ug/l	1.4	4.3	5		8260	qh	/ 12/4/2002
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	qh	/ 12/4/2002
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	qh	/ 12/4/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020876**
DATE REPORTED: 10-Dec-02
DATE RECEIVED: 25-Nov-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	/ 12/4/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 12/4/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 12/4/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 12/4/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 12/4/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 12/4/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 12/4/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 12/4/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 12/4/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 12/4/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 12/4/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 12/4/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 12/4/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 12/4/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 12/4/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 12/4/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 12/4/2002
Tetrachloroethene	2.6	ug/l	1.6	4.9	5	J	8260	qh	/ 12/4/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 12/4/2002
trans-1,2-Dichloroethene	7.6	ug/l	1.3	4.0	5		8260	qh	/ 12/4/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 12/4/2002
Trichloroethene	218	ug/l	1.7	5.4	5		8260	qh	/ 12/4/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 12/4/2002
Vinyl chloride	1.4	ug/l	1.0	3.2	5	J	8260	qh	/ 12/4/2002

Sample Number: 30848 QC Prep Batch Number: 1002874 Collection: 11/25/2002 Time: 08:17
Client ID: WA07P Sample Description: 021125

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020876**
DATE REPORTED: 10-Dec-02
DATE RECEIVED: 25-Nov-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	/ 12/4/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/4/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/4/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/4/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 12/4/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 12/4/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/4/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 12/4/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 12/4/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/4/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/4/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 12/4/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/4/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 12/4/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/4/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 12/4/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/4/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 12/4/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/4/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 12/4/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/4/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 12/4/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/4/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 12/4/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/4/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/4/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 12/4/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 12/4/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/4/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/4/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/4/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 12/4/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020876**
DATE REPORTED: 10-Dec-02
DATE RECEIVED: 25-Nov-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	/ 12/4/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/4/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/4/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 12/4/2002

Sample Number: 30849 QC Prep Batch Number: 1002874 Collection: 11/25/2002 Time: 08:20
Client ID: WA09P Sample Description: 021125

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020876**
DATE REPORTED: 10-Dec-02
DATE RECEIVED: 25-Nov-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	0.80	ug/l	0.24	0.76	1		8260	qh	/ 12/4/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 12/4/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/4/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 12/4/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/4/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 12/4/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/4/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 12/4/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/4/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/4/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 12/4/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 12/4/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/4/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/4/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/4/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 12/4/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/4/2002
Trichloroethene	1.2	ug/l	0.34	1.1	1		8260	qh	/ 12/4/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/4/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 12/4/2002

Sample Number: 30851 QC Prep Batch Number: 1002874 Collection: Time:
Client ID: Trip BLK Sample Description:

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020876**
DATE REPORTED: 10-Dec-02
DATE RECEIVED: 25-Nov-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	/ 12/4/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/4/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 12/4/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 12/4/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/4/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/4/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/4/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/4/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/4/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 12/4/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 12/4/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/4/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 12/4/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 12/4/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/4/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/4/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 12/4/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/4/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 12/4/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/4/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 12/4/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/4/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 12/4/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/4/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 12/4/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/4/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/4/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 12/4/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/4/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 12/4/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/4/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/4/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/4/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 12/4/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 12/4/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/4/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/4/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/4/2002

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020876**
DATE REPORTED: 10-Dec-02
DATE RECEIVED: 25-Nov-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	/ 12/4/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 12/4/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 12/4/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	/ 12/4/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 12/4/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 12/4/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 12/4/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 12/4/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	/ 12/4/2002

Approved By: James Chang, LAB **Date:** 12/17/02
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.