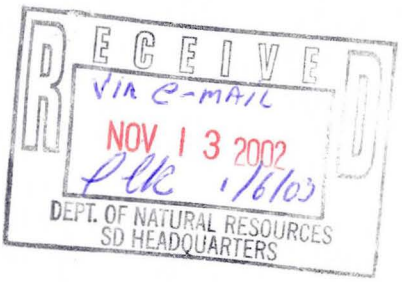
OCTOBER 2002

MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003



Prepared for:

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

Prepared by:

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8222 West Calumet Road
Milwaukee, WI 53223

November 15, 2002

1.0 Introduction

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

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

1.1 Site Background Review

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

The contact person is Sharonne Baylor of the U.S. Army Corps of Engineers (USACE). Ms. Baylor can be reached at (507) 454-6150, Fax (507) 454-4963, or Sharonne.N.Baylor@mvp02.usace.army.mil. APL, Inc. is contracted by the USACE to operate and maintain the plant. The contact for the Treatment Plant is Dean Groleau and can be reached at (920) 474-3212, Fax (920) 474-4241, or ogtp@netwurx.net. The contact for APL, Inc. is James Chang, who can be reached at (414) 355-5800, Fax (414) 355-3099, or jschang@aaahawk.com.

1.2 Project Objectives

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

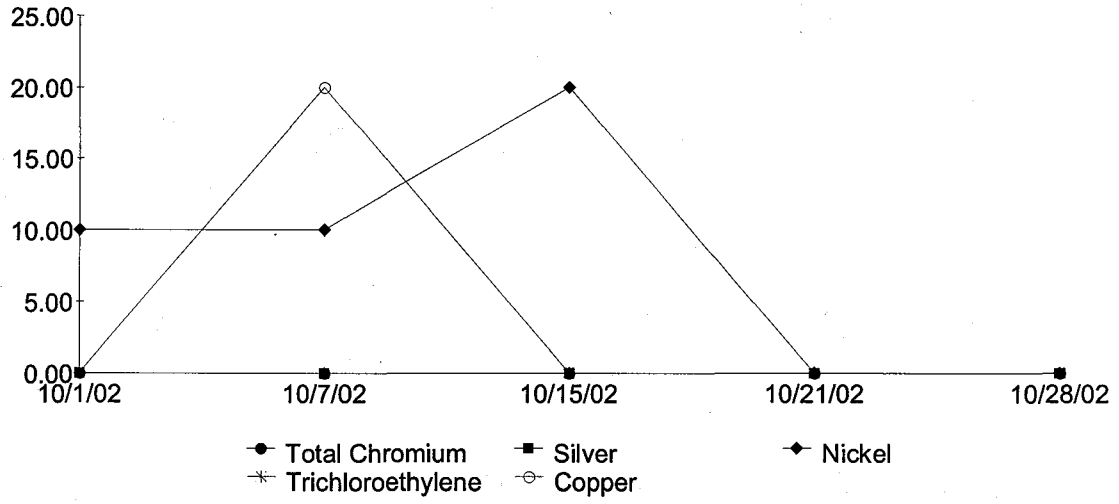
1.3 Effluent Monitoring

Weekly monitoring was conducted on October 1, 7, 15, 21, and 28. The weekly samples for October were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in October showed exceedences of Nickel, Total Chromium, Mercury, and Silver from the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



1.5 Residential Wells

Another round of Residential Well sampling was conducted on October 7, 2002. The Residential Well sampling is conducted on a yearly basis. The results of the Residential Wells' analyses are enclosed with this report.

2.0 Plant Permit Exceedences

The results of the October 7 weekly sampling round showed exceedences in Total Chromium, Mercury, Nickel, and Silver of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*. Paul Kozol, Project Manager from the WDNR, was notified about the exceedences of the October 7 sampling. The October 7 Total Chromium result was 40 ug/l and the permit limit is 10 ug/l. The result of the re-test for Total Chromium was "Less than the Level of Detection"(8 ug/l) for the October 7 sampling. The October 7 Mercury result was 0.3 ug/l and the permit limit is 0.2 ug/l. The result of the re-test for Mercury was "Less than the Level of Detection"(0.2 ug/l) for the October 7 sampling. The October 7 Nickel result was 40 ug/l and the permit limit is 20 ug/l. The result of the re-test for Nickel was 10 ug/l for the October 7 sampling. The October 7 Silver result was 20 ug/l and the permit limit is 10 ug/l. The result of the re-test for Silver was "Less than the Level of Detection"(4 ug/l) for the October 7 sampling.

3.0 Treatment Plant Shut Downs

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

4.0 Sludge Press Operations

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

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on October 1, 7, 15, 21, and 28 of 2002. Another round of Residential Wells' samplings were conducted in October, 2002. . The laboratory retest results of these samples showed that there were no exceedences in 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 October, 2002, the plant was no down time.

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-01-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	7.6	N/A	N/A	7.9	Monitor	
TSS	<1	NT	NT	NT	<1/<1	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6/<5.6	5	
Barium	130	NT	NT	NT	110/100	400	
Cadmium	<0.4	NT	NT	NT	<0.4/<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4/<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	10/<8	10	
Copper	10	NT	NT	NT	<6/<6	Monitor	
Iron	1200	NT	NT	NT	170/140	Monitor	
Lead	<1.5	NT	NT	NT	<1.5/<1.5	1.5	
Manganese	170	NT	NT	NT	30/20	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2/<0.2	0.2	
Nickel	30	NT	NT	NT	20/10	20	
Selenium	<4.8	NT	NT	NT	<4.8/<4.8	10	
Silver	<4	NT	NT	NT	<4/<4	10	
Thallium	<1.3	NT	NT	NT	<1.3/<1.3	0.4	
Zinc	<14	NT	NT	NT	<14/<14	Monitor	
Cyanide	20	10	NT	NT	<6	40	
Cyanide Amenable	<6	<6	NT	NT	<6	Monitor	
1,1-Dichloroethane	8.9	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	1.8	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	23	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	9.5	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	<1.6	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	78	NT	2.4	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	301	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>171	NT	NT	>149	<40	38	*
COD	13	NT	NT	NT	8.7/9	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1/<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.82/0.81	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.41/0.49	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 "Effluent Composite Sample" was duplicated (second result).

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-7-02	
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	7.7	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	40	NT	NT	NT	40/<8	10	**
Copper	20	NT	NT	NT	20	Monitor	
Iron	1100	NT	NT	NT	170	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	120	NT	NT	NT	10	Monitor	
Mercury	<0.2	NT	NT	NT	0.3/<0.2	0.2	**
Nickel	40	NT	NT	NT	40/10	20	**
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	20	NT	NT	NT	20/<4	10	**
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	10	NT	NT	NT	10	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	9.1	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	2.3	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	22	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	8.7	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	2.9	NT	<0.31	NT	<0.31	0.5	
Toluene	3.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	75	NT	2.2	NT	<0.34	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	300	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	1.3	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	>149	<40	38	*
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results — Date: 10-15-02

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	7.1	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	100	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	80	NT	NT	NT	980	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	20	NT	NT	NT	150	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	10	NT	NT	NT	20	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	6.9	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	6.9	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	20	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	NT	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	NT	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	NT	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	<1.6	NT	2.2	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	227	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	>149	<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:	10-21-02	
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	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	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	1100	NT	NT	NT	190	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	10	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	20	NT	NT	NT	9	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	<1.6	NT	2.2	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	0.64	NT	<0.34	0.7	
1,2-Dichloroethene Cis	11	NT	5.4	NT	<0.27	7	
1,2-Dichloroethene Trans	1.4	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	<1.6	NT	0.75	NT	<0.31	0.5	
Toluene	<1.5	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	11	NT	15	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	170	NT	59	NT	<0.34	0.5	
Vinyl Chloride	<1	NT	0.52	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	140	<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:	10-28-02	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	7.4	N/A	N/A	7.7	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	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	1100	NT	NT	NT	180	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	130	NT	NT	NT	20	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	10	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	4.9	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	8	NT	NT	NT	10	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	13	NT	<0.32	NT	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	NT	<0.35	0.5	
1,1-Dichloroethene	4.5	NT	<0.34	NT	<0.34	0.7	
1,2-Dichloroethene Cis	26	NT	<0.27	NT	<0.27	7	
1,2-Dichloroethene Trans	12	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	3.1	NT	<0.31	NT	<0.31	0.5	
Toluene	3.6	NT	<0.29	NT	<0.29	68	
1,1,1-Trichloroethane	90	NT	<0.31	NT	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	NT	<0.44	0.5	
TCE	326	NT	<0.34	NT	<0.34	0.5	
Vinyl Chloride	1.2	NT	<0.2	NT	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	NT	<0.53	124	
Chlorine, Total	>200	NT	NT	>157	<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

RESIDENTIAL WELLS						Date:	(ug/l) 10/7/02	
Parameter	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8
Arsenic	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
Barium	260	80	90	110	100	110	90	100
Cadmium	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Cadmium Total Recoverable	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium Total	<8	<8	<8	<8	<8	9	<8	<8
Copper	<6	<6	<6	160	<6	<6	<6	440
Iron	2200	250	3400	2800	1400	830	410	1300
Lead	<1.5	<1.5	<1.5	5	<1.5	<1.5	<1.5	<1.5
Manganese	40	20	60	90	50	30	30	30
Mercury	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	<11	<11	<11	<11	<11	<11	<11	<11
Selenium	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Silver	<4	<4	<4	<4	<4	<4	<4	<4
Thallium	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Zinc	230	<14	30	100	60	<14	<14	<14
1,1-Dichloroethane	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
1,2-Dichloroethane	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethene	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dichloroethene Cis	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichloroethene Trans	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Ethylbenzene	0.26	0.31	<0.25	<0.25	<0.25	0.74	<0.25	<0.25
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Tetrachloroethene	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
Toluene	1.5	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
1,1,1-Trichloroethane	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,1,2-Trichloroethane	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
TCE	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Vinyl Chloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene Total	0.71	0.82	<0.53	<0.53	<0.53	0.82	<0.53	<0.53

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: OCT. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	4,350,973.00	34,473.00	0.034	
2	4,385,446.00	33,285.00	0.033	
3	4,418,731.00	32,287.00	0.032	
4	4,451,018.00	25,587.00	0.026	
5	4,476,605.00	33,347.00	0.033	
6	4,509,952.00	39,640.00	0.040	
7	4,549,592.00	33,650.00	0.034	
8	4,583,242.00	32,254.00	0.032	
9	4,615,496.00	30,670.00	0.031	
10	4,646,166.00	30,460.00	0.030	
11	4,676,626.00	22,230.00	0.022	
12	4,698,856.00	31,969.00	0.032	
13	4,730,825.00	33,241.00	0.033	
14	4,764,066.00	35,128.00	0.035	
15	4,799,194.00	30,859.00	0.031	
16	4,830,053.00	26,816.00	0.027	EW-1 OFF
17	4,856,869.00	33,617.00	0.034	EW-1 OFF
18	4,890,486.00	28,122.00	0.028	
19	4,918,608.00	32,964.00	0.033	
20	4,951,572.00	40,339.00	0.040	
21	4,991,911.00	33,375.00	0.033	
22	5,025,286.00	29,209.00	0.029	EW-2 OFF
23	5,054,495.00	33,212.00	0.033	EW-2 OFF
24	5,087,707.00	27,815.00	0.028	
25	5,115,522.00	28,598.00	0.029	
26	5,144,120.00	32,488.00	0.032	
27	5,176,608.00	39,099.00	0.039	
28	5,215,707.00	35,936.00	0.036	SHUT DOWN
29	5,251,643.00	27,836.00	0.028	EW-3 OFF
30	5,279,479.00	35,455.00	0.035	EW-3 OFF
31	5,314,934.00	16,171.00	0.016	
November 01	5,331,105.00			
		TOTAL	0.978	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2002			
MONTH: OCT. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	7,086,748.00	41,101.00	0.041
2	7,127,849.00	40,086.00	0.040
3	7,167,935.00	40,357.00	0.040
4	7,208,292.00	33,211.00	0.033
5	7,241,503.00	40,671.00	0.041
6	7,282,174.00	45,301.00	0.045
7	7,327,475.00	40,760.00	0.041
8	7,368,235.00	41,444.00	0.041
9	7,409,679.00	39,161.00	0.039
10	7,448,840.00	35,081.00	0.035
11	7,483,921.00	26,026.00	0.026
12	7,509,947.00	39,359.00	0.039
13	7,549,306.00	43,346.00	0.043
14	7,592,652.00	44,580.00	0.045
15	7,637,232.00	39,342.00	0.039
16	7,676,574.00	40,958.00	0.041
17	7,717,532.00	37,030.00	0.037
18	7,754,562.00	31,515.00	0.032
19	7,786,077.00	38,575.00	0.039
20	7,824,652.00	48,480.00	0.048
21	7,873,132.00	40,556.00	0.041
22	7,913,688.00	39,630.00	0.040
23	7,953,318.00	40,285.00	0.040
24	7,993,603.00	33,137.00	0.033
25	8,026,740.00	34,198.00	0.034
26	8,060,938.00	39,538.00	0.040
27	8,100,476.00	50,850.00	0.051
28	8,151,326.00	42,372.00	0.042
29	8,193,698.00	32,302.00	0.032
30	8,226,000.00	41,487.00	0.041
31	8,267,487.00	45,563.00	0.046
November 01	8,313,050.00		
		TOTAL	1.225
		AVERAGE	0.040

FLOW FROM EXTRACTION WELLS

YEAR: 2002 MONTH: OCT. DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	9,654,014.10	34,577.00	0.035	
2	9,688,591.10	33,383.00	0.033	
3	9,721,974.10	32,324.00	0.032	
4	9,754,298.10	25,687.00	0.026	
5	9,779,985.10	33,234.00	0.033	
6	9,813,219.10	39,761.00	0.040	
7	9,852,980.10	33,946.00	0.034	
8	9,886,926.10	32,298.00	0.032	
9	9,919,224.10	31,117.00	0.031	
10	9,950,341.10	30,243.00	0.030	
11	9,980,584.10	22,335.40	0.022	
12	10,002,919.50	33,616.00	0.034	
13	10,036,535.50	31,865.60	0.032	
14	10,068,401.10	35,099.00	0.035	
15	10,103,500.10	31,560.00	0.032	
16	10,135,060.10	26,767.00	0.027	EW-1 OFF
17	10,161,827.10	33,230.00	0.033	EW-1 OFF
18	10,195,057.10	28,134.00	0.028	
19	10,223,191.10	33,089.00	0.033	
20	10,256,280.10	41,252.00	0.041	
21	10,297,532.10	32,725.00	0.033	
22	10,330,257.10	29,266.00	0.029	EW-2 OFF
23	10,359,525.10	33,288.00	0.033	EW-2 OFF
24	10,392,813.10	27,817.10	0.028	
25	10,420,630.20	29,465.00	0.029	
26	10,450,095.20	31,664.10	0.032	
27	10,481,759.30	39,443.80	0.039	
28	10,521,203.10	36,027.00	0.036	SHUT DOWN
29	10,557,230.10	27,922.00	0.028	EW-3 OFF
30	10,585,152.10	35,533.00	0.036	EW-3 OFF
31	10,620,685.10	36,288.00	0.036	
November 01	10,656,973.10			
		TOTAL	1.003	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2002			
MONTH: OCT. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	7,395,892.10	41,162.00	0.041
2	7,437,054.10	40,227.00	0.040
3	7,477,281.10	40,397.00	0.040
4	7,517,678.10	33,321.00	0.033
5	7,550,999.10	41,571.00	0.042
6	7,592,570.10	44,491.00	0.044
7	7,637,061.10	40,929.00	0.041
8	7,677,990.10	41,484.00	0.041
9	7,719,474.10	39,566.00	0.040
10	7,759,040.10	34,835.00	0.035
11	7,793,875.10	26,113.00	0.026
12	7,819,988.10	41,568.70	0.042
13	7,861,556.80	41,337.30	0.041
14	7,902,894.10	44,572.00	0.045
15	7,947,466.10	40,410.00	0.040
16	7,987,876.10	40,585.00	0.041
17	8,028,461.10	36,587.00	0.037
18	8,065,048.10	31,543.00	0.032
19	8,096,591.10	38,708.00	0.039
20	8,135,299.10	49,536.00	0.050
21	8,184,835.10	39,731.00	0.040
22	8,224,566.10	39,750.00	0.040
23	8,264,316.10	40,301.00	0.040
24	8,304,617.10	33,282.30	0.033
25	8,337,899.40	35,199.90	0.035
26	8,373,099.30	38,389.20	0.038
27	8,411,488.50	51,159.60	0.051
28	8,462,648.10	42,472.00	0.042
29	8,505,120.10	32,379.00	0.032
30	8,537,499.10	41,581.00	0.042
31	8,579,080.10	45,675.00	0.046
November 01	8,624,755.10		
		TOTAL	1.229
		AVERAGE	0.040

EFFLUENT FLOW FROM PLANT

YEAR: 2002			
MONTH: OCT. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	8,184,885.00	34,804.00	0.035
2	8,219,689.00	32,414.00	0.032
3	8,252,103.00	32,581.00	0.033
4	8,284,684.00	30,753.00	0.031
5	8,315,437.00	35,082.00	0.035
6	8,350,519.00	35,614.00	0.036
7	8,386,133.00	35,853.00	0.036
8	8,421,986.00	33,600.00	0.034
9	8,455,586.00	33,537.00	0.034
10	8,489,123.00	27,402.00	0.027
11	8,516,525.00	25,590.00	0.026
12	8,542,115.00	34,533.00	0.035
13	8,576,648.00	33,707.00	0.034
14	8,610,355.00	38,711.00	0.039
15	8,649,066.00	32,640.00	0.033
16	8,681,706.00	35,283.00	0.035
17	8,716,989.00	29,631.00	0.030
18	8,746,620.00	27,757.00	0.028
19	8,774,377.00	34,153.00	0.034
20	8,808,530.00	39,772.00	0.040
21	8,848,302.00	34,132.00	0.034
22	8,882,434.00	32,849.00	0.033
23	8,915,283.00	34,387.00	0.034
24	8,949,670.00	32,833.00	0.033
25	8,982,503.00	24,892.00	0.025
26	9,007,395.00	35,974.00	0.036
27	9,043,369.00	41,668.00	0.042
28	9,085,037.00	37,737.00	0.038
29	9,122,774.00	26,371.00	0.026
30	9,149,145.00	37,438.00	0.037
31	9,186,583.00	38,079.00	0.038
November 01	9,224,662.00		
		TOTAL	1.043
		AVERAGE	0.034

PRECIPITATION

YEAR: 2002	
MONTH: OCT. DAY	RAINFALL (INCHES)
1	0.00
2	0.30
3	0.30
4	1.30
5	0.00
6	0.00
7	0.10
8	0.00
9	0.00
10	0.10
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	0.00
18	0.35
19	0.00
20	0.00
21	0.00
22	0.00
23	0.00
24	0.25
25	0.27
26	0.15
27	0.00
28	0.00
29	0.00
30	0.00
31	0.00
TOTAL	3.12

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	EFFLUENT 9/27/02-10/5/02	EFFLUENT 10/4/02-10/12/02
1	LIGHT YELLOW	LIGHT YELLOW
2	LIGHT YELLOW W/YELLOW BUBBLES	LIGHT YELLOW W/BUBBLES
3	LIGHT YELLOW W/YELLOW BUBBLES	DARK YELLOW W/BUBBLES
4	GREEN W/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
5	GREEN W/ DARK YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
6	GREEN W/LIGHT BROWN BUBBLES	DARK YELLOW W/BROWN BUBBLES
7	GREEN W/LIGHT BROWN BUBBLES	DARK YELLOW W/BROWN BUBBLES
8	GREEN W/LIGHT BROWN BUBBLES	DARK YELLOW W/BROWN BUBBLES

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT BACTERIA		
DAYS	EFFLUENT 10/11/02-10/19/02	EFFLUENT 10/19/02-10/27/02
1	LIGHT YELLOW	LIGHT YELLOW
2	LIGHT YELLOW	LIGHT YELLOW
3	LIGHT YELLOW/YELLOW BUBBLES	LIGHT YELLOW W/BUBBLES
4	DARK YELLOW/YELLOW BUBBLES	LIGHT YELLOW W/YELLOW BUBBLES
5	DARK YELLOW/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
6	DARK YELLOW/YELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
7	DARK YELLOW/DARKYELLOW BUBBLES	DARK YELLOW W/YELLOW BUBBLES
8	DARK YELLOW/DARKYELLOW 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	6.66	2.68
June 3-6, 2002	3.9	2.6	4.24	2.02	9.33	2.4
July 02, 2002	4.91	3.88	5.63	3.67	10.55	4.01
August 01, 2002	5.96	4.89	6.49	4.98	11.57	5.04
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

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	7.67	7.79	DRY	9.92	9.64	9.36
October 1, 2002	7.82	7.78	DRY	9.8	9.87	9.47

MONITOR WELL DEPTHS

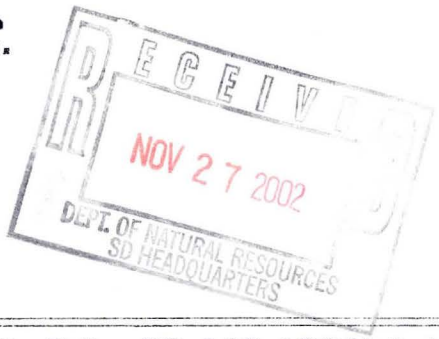
OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS			WATER LEVEL		FEET	
DATE	MW02DP	MW03SP	MW05SP	MW05DP	MW06P	MW11BP
January 4, 2002	6.71	DRY	3.98	4.85	DRY	COVERED
February 6-7, 2002	7.03	DRY	DRY	4.82	DRY	COVERED
March 28, 2002	5.90	DRY	3.45	3.95	DRY	COVERED
April 09, 2002	4.91	3.62	2.82	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
						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	4.09	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			

APL INC.

INORGANIC REPORT

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



WDNR# 241340550

INVOICE NUMBER **20020709**
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 01-Oct-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: 30036		Matrix: GW						Collection: 10/1/2002		Time: 06:55
Client ID: **WA01P**								Sample Description: 021001		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	nr	10/7/2002	*1002168*	
Barium - ICAP	**0.13**	**mg/l**	**RJ**	0.007	0.02	200.7	am	10/15/2002	*1002414*	
Barium - ICAP	**0.13**	**mg/l**	**RJ**	0.007	0.02	200.7	am	10/15/2002	*1002414*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	nr	10/7/2002	*1002170*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	nr	10/7/2002	*1002171*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	am	10/15/2002	*1002414*	
Copper- ICAP	**0.01**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	am	10/15/2002	*1002414*	
Iron - ICAP	**1.2**	**mg/l**	**RJ**	0.081	0.26	200.7	am	10/15/2002	*1002414*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	nr	10/8/2002	*1002174*	
Manganese - ICAP	**0.17**	**mg/l**	**RJ**	0.006	0.02	200.7	am	10/15/2002	*1002414*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	am	10/8/2002	*1002178*	
Nickel - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	am	10/15/2002	*1002414*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	nr	10/8/2002	*1002188*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	am	10/24/2002	*1002414*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	nr	10/7/2002	*1002173*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	am	10/15/2002	*1002414*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	am	11/14/2002	*1002688*	
COD, Total	**13**	**mg/l**	*J* **RJ**	5.7	18	410.4-CT	am	10/30/2002	*1002506*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	nr	10/2/2002	*1002150*	
Cyanide, Total	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	nr	10/2/2002	*1002149*	
pH (water)	**7**	**s.u.**	**#** **RJ**			150.1	am	10/21/2002	*1002364*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	nr	10/8/2002	*1002185*	
Sample Number: 30037		Matrix: GW						Collection: 10/1/2002		Time: 06:45
Client ID: **WA05P**								Sample Description: 021001		
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	nr	10/2/2002	*1002150*	
Cyanide, Total	**0.01**	**mg/l**	*J* **RJ**	0.006	0.02	335.2	nr	10/2/2002	*1002149*	
pH (water)	**7.6**	**s.u.**	**#** **RJ**			150.1	am	10/21/2002	*1002364*	
Sample Number: 30039		Matrix: GW						Collection: 10/1/2002		Time: 06:47
Client ID: **WA09P**								Sample Description: 021001		

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020709
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 01-Oct-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	am	11/14/2002	*1002688*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	nr	10/2/2002	*1002150*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	nr	10/2/2002	*1002149*	
pH (water)	**7.9**	**s.u.**	**# RJ**			150.1	am	10/21/2002	*1002364*	

Sample Number: 30040 Matrix: GW
Client ID: **WA09R**
Collection: 10/1/2002 Time: 06:50
Sample Description: 021001

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	nr	10/7/2002	*1002168*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	am	10/15/2002	*1002299*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	nr	10/7/2002	*1002170*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	nr	10/7/2002	*1002171*	
Chromium, Total - ICAP	**0.01**	**mg/l**	***J* RJ**	0.008	0.03	200.7	am	10/15/2002	*1002299*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	am	10/15/2002	*1002299*	
Iron - ICAP	**0.17**	**mg/l**	***J* RJ**	0.081	0.26	200.7	am	10/15/2002	*1002299*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	nr	10/8/2002	*1002174*	
Manganese - ICAP	**0.03**	**mg/l**	**RJ**	0.006	0.02	200.7	am	10/15/2002	*1002299*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	am	10/8/2002	*1002178*	
Nickel - ICAP	**0.02**	**mg/l**	***J* RJ**	0.011	0.03	200.7	am	10/15/2002	*1002299*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	nr	10/8/2002	*1002188*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	am	10/15/2002	*1002299*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	nr	10/7/2002	*1002173*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	am	10/15/2002	*1002299*	
COD, Total	**8.7**	**mg/l**	***J* RJ**	5.7	18	410.4-CT	am	10/30/2002	*1002506*	
Nitrate + Nitrite Nitrogen	**0.82**	**mg/l**	**RJ**	0.024	0.08	353.3	am	10/30/2002		
Nitrogen, Ammonia	**0.41**	**mg/l**	**RJ**	0.1	0.32	350.1	am	10/30/2002	*1002512*	
Phosphorus, Total	**<0.10**	**mg/l**	**RJ**	0.1	0.32	365.2	am	10/30/2002	*1002513*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	nr	10/8/2002	*1002185*	

Sample Number: 30042 Matrix: GW
Client ID: **WA09Q**
Collection: 10/1/2002 Time: 06:50
Sample Description: 021001

Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	nr	10/7/2002	*1002168*	
Barium - ICAP	**0.1**	**mg/l**	**RJ**	0.007	0.02	200.7	am	10/15/2002	*1002299*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	nr	10/7/2002	*1002170*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**	**RJ**	0.4	1.3	7131	nr	10/7/2002	*1002171*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020709**
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 01-Oct-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	am	10/15/2002	*1002299*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	am	10/15/2002	*1002299*	
Iron - ICAP	**0.14**	**mg/l**	***J*** **RJ**	0.081	0.26	200.7	am	10/15/2002	*1002299*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	nr	10/8/2002	*1002174*	
Manganese - ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	am	10/15/2002	*1002299*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	am	10/8/2002	*1002178*	
Nickel - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	am	10/15/2002	*1002299*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	nr	10/8/2002	*1002188*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	am	10/15/2002	*1002299*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	nr	10/7/2002	*1002173*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	am	10/15/2002	*1002299*	
COD, Total	**9**	**mg/l**	***J*** **RJ**	5.7	18	410.4-CT	am	10/30/2002	*1002506*	
Nitrate + Nitrite Nitrogen	**0.81**	**mg/l**	**RJ**	0.024	0.08	353.3	am	10/30/2002		
Nitrogen, Ammonia	**0.49**	**mg/l**	**RJ**	0.1	0.32	350.1	am	10/30/2002	*1002512*	
Phosphorus, Total	**<0.10**	**mg/l**	**RJ**	0.1	0.32	365.2	am	10/30/2002	*1002513*	
Solids, Total Suspended	**<1**	**mg/l**	**RJ**	1	3.2	SM 2540D	nr	10/8/2002	*1002185*	

Approved By: James Chang/AD **Date:** 11/15/02
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: **20020709**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 01-Oct-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: 30036 QC Prep Batch Number: 1002219 Collection: 10/1/2002 Time: 06:55
Client ID: WA01P Sample Description: 021001

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	10/2/2002 / 10/2/2002
1,1,1-Trichloroethane	78	ug/l	1.6	4.9	5		8260	qh	10/2/2002 / 10/2/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	10/2/2002 / 10/2/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloroethane	8.9	ug/l	1.6	5.1	5		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloroethene	1.8	ug/l	1.7	5.4	5	J	8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	10/2/2002 / 10/2/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	10/2/2002 / 10/2/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	10/2/2002 / 10/2/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	10/2/2002 / 10/2/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/2/2002 / 10/2/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	10/2/2002 / 10/2/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/2/2002 / 10/2/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/2/2002 / 10/2/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/2/2002 / 10/2/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	10/2/2002 / 10/2/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	10/2/2002 / 10/2/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/2/2002 / 10/2/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	10/2/2002 / 10/2/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	10/2/2002 / 10/2/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/2/2002 / 10/2/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/2/2002 / 10/2/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	10/2/2002 / 10/2/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	10/2/2002 / 10/2/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/2/2002 / 10/2/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/2/2002 / 10/2/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	10/2/2002 / 10/2/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	10/2/2002 / 10/2/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/2/2002 / 10/2/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	10/2/2002 / 10/2/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/2/2002 / 10/2/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/2/2002 / 10/2/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	10/2/2002 / 10/2/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	10/2/2002 / 10/2/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	10/2/2002 / 10/2/2002
cis-1,2-Dichloroethene	23	ug/l	1.4	4.3	5		8260	qh	10/2/2002 / 10/2/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	10/2/2002 / 10/2/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	10/2/2002 / 10/2/2002

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APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020709**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 01-Oct-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	10/2/2002 / 10/2/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/2/2002 / 10/2/2002
Ethylbenzene	1.3	ug/l	1.3	4.0	5		8260	qh	10/2/2002 / 10/2/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	10/2/2002 / 10/2/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/2/2002 / 10/2/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	10/2/2002 / 10/2/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	10/2/2002 / 10/2/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/2/2002 / 10/2/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/2/2002 / 10/2/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	10/2/2002 / 10/2/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	10/2/2002 / 10/2/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	10/2/2002 / 10/2/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/2/2002 / 10/2/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/2/2002 / 10/2/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/2/2002 / 10/2/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/2/2002 / 10/2/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/2/2002 / 10/2/2002
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/2/2002 / 10/2/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	10/2/2002 / 10/2/2002
trans-1,2-Dichloroethene	9.5	ug/l	1.3	4.0	5		8260	qh	10/2/2002 / 10/2/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/2/2002 / 10/2/2002
Trichloroethene	301	ug/l	1.7	5.4	5		8260	qh	10/2/2002 / 10/2/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	10/2/2002 / 10/2/2002
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	10/2/2002 / 10/2/2002

Sample Number: 30038
Client ID: WA07P

QC Prep Batch Number: 1002219

Collection: 10/1/2002 Time: 07:00
Sample Description: 021001

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/2/2002 / 10/2/2002
1,1,1-Trichloroethane	2.4	ug/l	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/2/2002 / 10/2/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/2/2002 / 10/2/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/2/2002 / 10/2/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/2/2002 / 10/2/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/2/2002 / 10/2/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/2/2002 / 10/2/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020709**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 01-Oct-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	10/2/2002 / 10/2/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/2/2002 / 10/2/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/2/2002 / 10/2/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/2/2002 / 10/2/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/2/2002 / 10/2/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/2/2002 / 10/2/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/2/2002 / 10/2/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/2/2002 / 10/2/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/2/2002 / 10/2/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/2/2002 / 10/2/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/2/2002 / 10/2/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/2/2002 / 10/2/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/2/2002 / 10/2/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/2/2002 / 10/2/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/2/2002 / 10/2/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/2/2002 / 10/2/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/2/2002 / 10/2/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/2/2002 / 10/2/2002
n-Propylbenzene	0.28	ug/l	0.28	0.89	1		8260	qh	10/2/2002 / 10/2/2002
Naphthalene	0.75	ug/l	0.75	2.4	1		8260	qh	10/2/2002 / 10/2/2002
o-xylene	0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
p-Isopropyltoluene	0.31	ug/l	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
sec-Butylbenzene	0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/2/2002 / 10/2/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002

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APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020709**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 01-Oct-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	10/2/2002 / 10/2/2002
Trichloroethene	0.34	**ug/l**	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
Trichlorofluoromethane	0.24	**ug/l**	0.24	0.76	1		8260	qh	10/2/2002 / 10/2/2002
Vinyl chloride	0.20	**ug/l**	0.20	0.64	1		8260	qh	10/2/2002 / 10/2/2002

Sample Number: 30039 QC Prep Batch Number: 1002219 Collection: 10/1/2002 Time: 06:47
Client ID: WA09P Sample Description: 021001

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	10/2/2002 / 10/2/2002
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	10/2/2002 / 10/2/2002
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloroethane	0.32	**ug/l**	0.32	1.0	1		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloroethene	0.34	**ug/l**	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloropropene	0.43	**ug/l**	0.43	1.4	1		8260	qh	10/2/2002 / 10/2/2002
1,2,3-Trichlorobenzene	0.50	**ug/l**	0.50	1.6	1		8260	qh	10/2/2002 / 10/2/2002
1,2,3-Trichloropropane	0.51	**ug/l**	0.51	1.6	1		8260	qh	10/2/2002 / 10/2/2002
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	10/2/2002 / 10/2/2002
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichloroethane	0.35	**ug/l**	0.35	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	10/2/2002 / 10/2/2002
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	10/2/2002 / 10/2/2002
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	10/2/2002 / 10/2/2002
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	10/2/2002 / 10/2/2002
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
2-Butanone (MEK)	1.4	**ug/l**	1.4	4.4	1		8260	qh	10/2/2002 / 10/2/2002
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	qh	10/2/2002 / 10/2/2002
2-Chlorotoluene	0.30	**ug/l**	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	qh	10/2/2002 / 10/2/2002
Acetone	1.6	**ug/l**	1.6	4.9	1		8260	qh	10/2/2002 / 10/2/2002
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Bromodichloromethane	< 0.38	**ug/l**	0.38	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Bromoform	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	10/2/2002 / 10/2/2002
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	10/2/2002 / 10/2/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020709
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 01-Oct-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	10/2/2002 / 10/2/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/2/2002 / 10/2/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/2/2002 / 10/2/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/2/2002 / 10/2/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/2/2002 / 10/2/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/2/2002 / 10/2/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/2/2002 / 10/2/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/2/2002 / 10/2/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/2/2002 / 10/2/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/2/2002 / 10/2/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/2/2002 / 10/2/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/2/2002 / 10/2/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/2/2002 / 10/2/2002

Sample Number: 30041
Client ID: Trip BLK

QC Prep Batch Number: 1002219

Collection: 10/1/2002 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/2/2002 / 10/2/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/2/2002 / 10/2/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/2/2002 / 10/2/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/2/2002 / 10/2/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/2/2002 / 10/2/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/2/2002 / 10/2/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002

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APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020709**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 01-Oct-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	10/2/2002 / 10/2/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/2/2002 / 10/2/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/2/2002 / 10/2/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/2/2002 / 10/2/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/2/2002 / 10/2/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/2/2002 / 10/2/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/2/2002 / 10/2/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/2/2002 / 10/2/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/2/2002 / 10/2/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/2/2002 / 10/2/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/2/2002 / 10/2/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/2/2002 / 10/2/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/2/2002 / 10/2/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/2/2002 / 10/2/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/2/2002 / 10/2/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/2/2002 / 10/2/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/2/2002 / 10/2/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/2/2002 / 10/2/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/2/2002 / 10/2/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/2/2002 / 10/2/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/2/2002 / 10/2/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/2/2002 / 10/2/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/2/2002 / 10/2/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020709**
DATE REPORTED: 30-Oct-02
DATE RECEIVED: 01-Oct-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	10/2/2002 / 10/2/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	10/2/2002 / 10/2/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/2/2002 / 10/2/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	10/2/2002 / 10/2/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/2/2002 / 10/2/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/2/2002 / 10/2/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/2/2002 / 10/2/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	10/2/2002 / 10/2/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	10/2/2002 / 10/2/2002

Approved By: James Chang Lab **Date:** 10/30/02
James Chang, Ph.D. , Lab Director

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

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INORGANIC REPORT

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

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SD HEADQUARTERS

WDNR# 241340550

INVOICE NUMBER **20020739**
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 08-Oct-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: 30184		Matrix: GW							Collection: 10/7/2002		Time: 09:27
Client ID: **WA01P**									Sample Description: 021007		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	nr	10/11/2002	*1002270*	
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.007	0.02	200.7	am	10/21/2002	*1002356*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	nr	10/16/2002	*1002309*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	nr	10/16/2002	*1002310*	
Chromium, Total - ICAP	**0.04**	**mg/l**		**RJ**	0.008	0.03	200.7	am	10/21/2002	*1002356*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	am	10/21/2002	*1002356*	
Iron - ICAP	**1.1**	**mg/l**		**RJ**	0.081	0.26	200.7	am	10/21/2002	*1002356*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	nr	10/10/2002	*1002261*	
Manganese - ICAP	**0.12**	**mg/l**		**RJ**	0.006	0.02	200.7	am	10/21/2002	*1002356*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	am	10/11/2002	*1002246*	
Nickel - ICAP	**0.04**	**mg/l**		**RJ**	0.011	0.03	200.7	am	10/21/2002	*1002356*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	nr	10/16/2002	*1002314*	
Silver - ICAP	**0.02**	**mg/l**		**RJ**	0.004	0.01	200.7	am	10/21/2002	*1002356*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	nr	10/17/2002	*1002322*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	am	10/21/2002	*1002356*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	am	11/14/2002	*1002688*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	nr	10/11/2002	*1002288*	
Cyanide, Total	**0.01**	**mg/l**	*J*	**RJ**	0.006	0.02	335.2	nr	10/11/2002	*1002287*	
pH (water)	**7.1**	**s.u.**	#	**RJ**			150.1	am	10/21/2002	*1002362*	
Sample Number: 30185		Matrix: GW							Collection: 10/7/2002		Time: 09:32
Client ID: **WA05P**									Sample Description: 021007		
pH (water)	**7.4**	**s.u.**	#	**RJ**			150.1	am	10/21/2002	*1002362*	
Sample Number: 30187		Matrix: GW							Collection: 10/7/2002		Time: 09:20
Client ID: **WA09P**									Sample Description: 021007		
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	am	11/14/2002	*1002688*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	nr	10/11/2002	*1002288*	
Cyanide, Total	**0.01**	**mg/l**	*J*	**RJ**	0.006	0.02	335.2	nr	10/11/2002	*1002287*	
pH (water)	**7.7**	**s.u.**	#	**RJ**			150.1	am	10/21/2002	*1002362*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020739**
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 08-Oct-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: 30188	Matrix: GW								Collection: 10/7/2002	Time: 09:25	
Client ID: **WA09R**									Sample Description: 021007		
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	nr	10/11/2002	*1002270*	
Barium - ICAP	**0.1**	**mg/l**		**RJ**	0.007	0.02	200.7	am	10/21/2002	*1002356*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	nr	10/16/2002	*1002309*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	nr	10/16/2002	*1002310*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	am	10/21/2002	*1002356*	
Copper- ICAP	**0.02**	**mg/l**		**RJ**	0.006	0.02	200.7	am	10/21/2002	*1002356*	
Iron - ICAP	**0.17**	**mg/l**	*J*	**RJ**	0.081	0.26	200.7	am	10/21/2002	*1002356*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	nr	10/10/2002	*1002261*	
Manganese - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.006	0.02	200.7	am	10/21/2002	*1002356*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	am	10/11/2002	*1002246*	
Nickel - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	am	10/21/2002	*1002356*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	nr	10/16/2002	*1002314*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	am	10/21/2002	*1002356*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	nr	10/17/2002	*1002322*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	am	10/21/2002	*1002356*	

Approved By: James Chang/A.B **Date:** 11/15/02
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: **20020739**
DATE REPORTED: 25-Nov-02
DATE RECEIVED: 08-Oct-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: 30184 QC Prep Batch Number: 1002343 Collection: 10/7/2002 Time: 09:27
Client ID: WA01P Sample Description: 021007

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	10/9/2002 / 10/9/2002
1,1,1-Trichloroethane	75	ug/l	1.6	4.9	5		8260	qh	10/9/2002 / 10/9/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	10/9/2002 / 10/9/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloroethane	9.1	ug/l	1.6	5.1	5		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloroethene	2.[illegible]	ug/l	1.7	5.4	5	J	8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	10/9/2002 / 10/9/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	10/9/2002 / 10/9/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	10/9/2002 / 10/9/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	10/9/2002 / 10/9/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/9/2002 / 10/9/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	10/9/2002 / 10/9/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/9/2002 / 10/9/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/9/2002 / 10/9/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/9/2002 / 10/9/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	10/9/2002 / 10/9/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	10/9/2002 / 10/9/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/9/2002 / 10/9/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	10/9/2002 / 10/9/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	10/9/2002 / 10/9/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/9/2002 / 10/9/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/9/2002 / 10/9/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	10/9/2002 / 10/9/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	10/9/2002 / 10/9/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/9/2002 / 10/9/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/9/2002 / 10/9/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	10/9/2002 / 10/9/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	10/9/2002 / 10/9/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/9/2002 / 10/9/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	10/9/2002 / 10/9/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/9/2002 / 10/9/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/9/2002 / 10/9/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	10/9/2002 / 10/9/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	10/9/2002 / 10/9/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	10/9/2002 / 10/9/2002
cis-1,2-Dichloroethene	22	ug/l	1.4	4.3	5		8260	qh	10/9/2002 / 10/9/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	10/9/2002 / 10/9/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	10/9/2002 / 10/9/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020739**
DATE REPORTED: 25-Nov-02
DATE RECEIVED: 08-Oct-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	10/9/2002 / 10/9/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/9/2002 / 10/9/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/9/2002 / 10/9/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	10/9/2002 / 10/9/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/9/2002 / 10/9/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	10/9/2002 / 10/9/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	10/9/2002 / 10/9/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/9/2002 / 10/9/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/9/2002 / 10/9/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	10/9/2002 / 10/9/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	10/9/2002 / 10/9/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	10/9/2002 / 10/9/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/9/2002 / 10/9/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/9/2002 / 10/9/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/9/2002 / 10/9/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/9/2002 / 10/9/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/9/2002 / 10/9/2002
Tetrachloroethene	2.9	ug/l	1.6	4.9	5	J	8260	qh	10/9/2002 / 10/9/2002
Toluene	3.5	ug/l	1.5	4.6	5	J	8260	qh	10/9/2002 / 10/9/2002
trans-1,2-Dichloroethene	8.7	ug/l	1.3	4.0	5		8260	qh	10/9/2002 / 10/9/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/9/2002 / 10/9/2002
Trichloroethene	300	ug/l	1.7	5.4	5		8260	qh	10/9/2002 / 10/9/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	10/9/2002 / 10/9/2002
Vinyl chloride	1.3	ug/l	1.0	3.2	5	J	8260	qh	10/9/2002 / 10/9/2002

Sample Number: 30186 QC Prep Batch Number: 1002343 Collection: 10/7/2002 Time: 09:35
Client ID: WA07P Sample Description: 021007

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/9/2002 / 10/9/2002
1,1,1-Trichloroethane	2.2	ug/l	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/9/2002 / 10/9/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/9/2002 / 10/9/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/9/2002 / 10/9/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/9/2002 / 10/9/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/9/2002 / 10/9/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/9/2002 / 10/9/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020739**
DATE REPORTED: 25-Nov-02
DATE RECEIVED: 08-Oct-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	10/9/2002 / 10/9/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/9/2002 / 10/9/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/9/2002 / 10/9/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/9/2002 / 10/9/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
2-Butanone (MEK)	40	ug/l	1.4	4.4	1		8260	qh	10/9/2002 / 10/9/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/9/2002 / 10/9/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/9/2002 / 10/9/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/9/2002 / 10/9/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/9/2002 / 10/9/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/9/2002 / 10/9/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/9/2002 / 10/9/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/9/2002 / 10/9/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/9/2002 / 10/9/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/9/2002 / 10/9/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/9/2002 / 10/9/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.96	1		8260	qh	10/9/2002 / 10/9/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/9/2002 / 10/9/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/9/2002 / 10/9/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/9/2002 / 10/9/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/9/2002 / 10/9/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/9/2002 / 10/9/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/9/2002 / 10/9/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020739**
DATE REPORTED: 25-Nov-02
DATE RECEIVED: 08-Oct-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	10/9/2002 / 10/9/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/9/2002 / 10/9/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/9/2002 / 10/9/2002

Sample Number: 30187 QC Prep Batch Number: 1002343 Collection: 10/7/2002 Time: 09:20
Client ID: WA09P Sample Description: 021007

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/9/2002 / 10/9/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/9/2002 / 10/9/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/9/2002 / 10/9/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/9/2002 / 10/9/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/9/2002 / 10/9/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/9/2002 / 10/9/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/9/2002 / 10/9/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/9/2002 / 10/9/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/9/2002 / 10/9/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/9/2002 / 10/9/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/9/2002 / 10/9/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/9/2002 / 10/9/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/9/2002 / 10/9/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/9/2002 / 10/9/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/9/2002 / 10/9/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/9/2002 / 10/9/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020739**
DATE REPORTED: 25-Nov-02
DATE RECEIVED: 08-Oct-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	10/9/2002 / 10/9/2002
Chloromethane	< 0.49	**ug/l**	0.49	1.6	1		8260	qh	10/9/2002 / 10/9/2002
cis-1,2-Dichloroethene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
cis-1,3-Dichloropropene	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Dibromochloromethane	< 0.41	**ug/l**	0.41	1.3	1		8260	qh	10/9/2002 / 10/9/2002
Dibromomethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	10/9/2002 / 10/9/2002
Dichlorodifluoromethane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
Ethylbenzene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
Hexachlorobutadiene	< 0.42	**ug/l**	0.42	1.3	1		8260	qh	10/9/2002 / 10/9/2002
Isopropyl Ether	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
Isopropylbenzene	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	10/9/2002 / 10/9/2002
m&p-xylene	< 0.53	**ug/l**	0.53	1.7	1		8260	qh	10/9/2002 / 10/9/2002
Methyl-t-butyl ether	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Methylene chloride	0.30	**ug/l**	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
n-Butylbenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	10/9/2002 / 10/9/2002
n-Propylbenzene	< 0.28	**ug/l**	0.28	0.89	1		8260	qh	10/9/2002 / 10/9/2002
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	10/9/2002 / 10/9/2002
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
p-Isopropyltoluene	0.31	**ug/l**	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	10/9/2002 / 10/9/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	10/9/2002 / 10/9/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	10/9/2002 / 10/9/2002

Sample Number: 30189 QC Prep Batch Number: 1002343 Collection: Time:
Client ID: Trip BLK Sample Description: 021007

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	10/9/2002 / 10/9/2002
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	10/9/2002 / 10/9/2002
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloroethane	0.32	**ug/l**	0.32	1.0	1		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	10/9/2002 / 10/9/2002
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	10/9/2002 / 10/9/2002
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	10/9/2002 / 10/9/2002
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	10/9/2002 / 10/9/2002
1,2,4-Trimethylbenzene	0.30	**ug/l**	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020739**
DATE REPORTED: 25-Nov-02
DATE RECEIVED: 08-Oct-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	10/9/2002 / 10/9/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/9/2002 / 10/9/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/9/2002 / 10/9/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/9/2002 / 10/9/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/9/2002 / 10/9/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/9/2002 / 10/9/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/9/2002 / 10/9/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/9/2002 / 10/9/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/9/2002 / 10/9/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/9/2002 / 10/9/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/9/2002 / 10/9/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/9/2002 / 10/9/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/9/2002 / 10/9/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/9/2002 / 10/9/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/9/2002 / 10/9/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/9/2002 / 10/9/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/9/2002 / 10/9/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/9/2002 / 10/9/2002
m& p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/9/2002 / 10/9/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/9/2002 / 10/9/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/9/2002 / 10/9/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/9/2002 / 10/9/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/9/2002 / 10/9/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020739**
DATE REPORTED: 25-Nov-02
DATE RECEIVED: 08-Oct-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	10/9/2002 / 10/9/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	10/9/2002 / 10/9/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/9/2002 / 10/9/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	10/9/2002 / 10/9/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/9/2002 / 10/9/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/9/2002 / 10/9/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/9/2002 / 10/9/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	10/9/2002 / 10/9/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	10/9/2002 / 10/9/2002

Approved By: James Chang /dB **Date:** 11 25 02
James Chang, Ph.D. , Lab Director

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

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INORGANIC REPORT

Dr. James Chang
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Milwaukee , WI 53223

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SD HEADQUARTERS

WDNR# 241340550

INVOICE NUMBER **20020763**
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 15-Oct-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: 30306	Matrix: GW							Collection: 10/15/2002		Time: 08:55	
Client ID: **WA01P**								Sample Description: 021015			
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	nr	10/23/2002	*1002423*	*dup*
Barium - ICAP	0.1	mg/l		RJ	0.007	0.02	200.7	am	10/28/2002	*1002460*	
Cadmium - Furnace AA	<0.4	ug/l		RJ	0.4	1.3	213.2	nr	10/24/2002	*1002436*	
Cadmium-Total Recoverable	<0.4	ug/l		RJ	0.4	1.3	7131	nr	10/24/2002	*1002437*	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	am	10/28/2002	*1002460*	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	am	10/28/2002	*1002460*	
Iron - ICAP	0.08	mg/l	J	RJ	0.081	0.26	200.7	am	10/28/2002	*1002460*	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	nr	10/23/2002	*1002402*	
Manganese - ICAP	0.02	mg/l		RJ	0.006	0.02	200.7	am	10/28/2002	*1002460*	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	am	10/18/2002	*1002354*	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	am	10/28/2002	*1002460*	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	nr	10/16/2002	*1002314*	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	am	10/28/2002	*1002460*	
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	nr	10/17/2002	*1002322*	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	am	10/28/2002	*1002460*	
Chromium, Hexavalent	<0.0042	mg/l		RJ	0.004	0.01	SM 3500D	am	11/14/2002	*1002688*	
Cyanide, Amenable	<0.006	mg/l		RJ	0.006	0.02	335.2	nr	10/24/2002	*1002427*	
Cyanide, Total	0.01	mg/l	J	RJ	0.006	0.02	335.2	nr	10/24/2002	*1002424*	
pH (water)	6.9	s.u.	#	RJ			150.1	am	10/21/2002	*1002363*	
Sample Number: 30307	Matrix: GW							Collection: 10/15/2002		Time: 08:45	
Client ID: **WA05P**								Sample Description: 021015			
pH (water)	7.1	s.u.	#	RJ			150.1	am	10/21/2002	*1002363*	
Sample Number: 30309	Matrix: GW							Collection: 10/15/2002		Time: 08:30	
Client ID: **WA09P**								Sample Description: 021015			
Chromium, Hexavalent	<0.0042	mg/l		RJ	0.004	0.01	SM 3500D	am	11/14/2002	*1002688*	
Cyanide, Amenable	<0.006	mg/l		RJ	0.006	0.02	335.2	nr	10/24/2002	*1002427*	
Cyanide, Total	0.02	mg/l		RJ	0.006	0.02	335.2	nr	10/24/2002	*1002424*	
pH (water)	7.6	s.u.	#	RJ			150.1	am	10/21/2002	*1002363*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020763
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 15-Oct-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: 30310 Matrix: GW
Client ID: **WA09R**
Collection: 10/15/2002 Time: 08:40
Sample Description: 021015

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	10/23/2002	*1002423*	
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.007	0.02	200.7	am	10/28/2002	*1002460*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	nr	10/24/2002	*1002436*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	nr	10/24/2002	*1002437*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	am	10/28/2002	*1002460*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	am	10/28/2002	*1002460*	
Iron - ICAP	**0.98**	**mg/l**		**RJ**	0.081	0.26	200.7	am	10/28/2002	*1002460*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	nr	10/23/2002	*1002402*	
Manganese - ICAP	**0.15**	**mg/l**		**RJ**	0.006	0.02	200.7	am	10/28/2002	*1002460*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	am	10/18/2002	*1002354*	
Nickel - ICAP	**0.02**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	am	10/28/2002	*1002460*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	nr	10/16/2002	*1002314*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	am	10/28/2002	*1002460*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	nr	10/17/2002	*1002322*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	am	10/28/2002	*1002460*	

Approved By: James Chang, Ph.D. **Date:** 11/15/02
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	**20020763**
DATE REPORTED	08-Nov-02
DATE RECEIVED	15-Oct-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: 30306 QC Prep Batch Number: 1002524 Collection: 10/15/2002 Time: 08:55
Client ID: WA01P Sample Description 021015

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	/ 10/17/2002
1,1,1-Trichloroethane	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 10/17/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 10/17/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 10/17/2002
1,1-Dichloroethane	6.9	ug/l	1.6	5.1	5		8260	qh	/ 10/17/2002
1,1-Dichloroethene	6.9	ug/l	1.7	5.4	5		8260	qh	/ 10/17/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 10/17/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 10/17/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 10/17/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 10/17/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 10/17/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 10/17/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 10/17/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 10/17/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 10/17/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 10/17/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 10/17/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 10/17/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 10/17/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 10/17/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 10/17/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 10/17/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 10/17/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 10/17/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 10/17/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 10/17/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 10/17/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 10/17/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 10/17/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 10/17/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 10/17/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 10/17/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 10/17/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 10/17/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 10/17/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 10/17/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 10/17/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 10/17/2002
cis-1,2-Dichloroethene	20	ug/l	1.4	4.3	5		8260	qh	/ 10/17/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 10/17/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 10/17/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020763**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 15-Oct-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	/ 10/17/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 10/17/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 10/17/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 10/17/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 10/17/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 10/17/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 10/17/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 10/17/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 10/17/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 10/17/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 10/17/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 10/17/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 10/17/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 10/17/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 10/17/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 10/17/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 10/17/2002
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 10/17/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 10/17/2002
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 10/17/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 10/17/2002
Trichloroethene	227	ug/l	1.7	5.4	5		8260	qh	/ 10/17/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 10/17/2002
Vinyl chloride	1.4	ug/l	1.0	3.2	5	J	8260	qh	/ 10/17/2002

Sample Number: 30308 QC Prep Batch Number: 1002524 Collection: 10/15/2002 Time: 08:50
Client ID: WA07P Sample Description: 021015

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 10/17/2002
1,1,1-Trichloroethane	2.2	ug/l	0.31	0.99	1		8260	qh	/ 10/17/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 10/17/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 10/17/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 10/17/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 10/17/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 10/17/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 10/17/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 10/17/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 10/17/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 10/17/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 10/17/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002

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APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020763
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 15-Oct-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	/ 10/17/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 10/17/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 10/17/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 10/17/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 10/17/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 10/17/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 10/17/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 10/17/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 10/17/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 10/17/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 10/17/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 10/17/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 10/17/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 10/17/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 10/17/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 10/17/2002
Chloroform	0.24	ug/l	0.24	0.76	1		8260	qh	/ 10/17/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 10/17/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 10/17/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 10/17/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 10/17/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 10/17/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 10/17/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 10/17/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 10/17/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 10/17/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 10/17/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 10/17/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 10/17/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 10/17/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 10/17/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020763**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 15-Oct-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	/ 10/17/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 10/17/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 10/17/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	/ 10/17/2002

Sample Number: 30309
Client ID: WA09P

QC Prep Batch Number: 1002524
Collection: 10/15/2002 Time: 08:30
Sample Description: 021015

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	/ 10/17/2002
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 10/17/2002
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	/ 10/17/2002
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	/ 10/17/2002
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	/ 10/17/2002
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 10/17/2002
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	/ 10/17/2002
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	/ 10/17/2002
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	/ 10/17/2002
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	/ 10/17/2002
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 10/17/2002
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	/ 10/17/2002
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 10/17/2002
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	/ 10/17/2002
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	/ 10/17/2002
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 10/17/2002
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 10/17/2002
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	/ 10/17/2002
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	/ 10/17/2002
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	/ 10/17/2002
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 10/17/2002
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	qh	/ 10/17/2002
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	qh	/ 10/17/2002
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 10/17/2002
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 10/17/2002
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	qh	/ 10/17/2002
Acetone	< 1.6	**ug/l**	1.6	4.9	1		8260	qh	/ 10/17/2002
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 10/17/2002
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 10/17/2002
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	/ 10/17/2002
Bromodichloromethane	0.71	**ug/l**	0.38	1.2	1	J	8260	qh	/ 10/17/2002
Bromoform	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	/ 10/17/2002
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	/ 10/17/2002
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	/ 10/17/2002
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 10/17/2002
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	/ 10/17/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020763**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 15-Oct-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	/ 10/17/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 10/17/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 10/17/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 10/17/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 10/17/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 10/17/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 10/17/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 10/17/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 10/17/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 10/17/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 10/17/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 10/17/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 10/17/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 10/17/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 10/17/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 10/17/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 10/17/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 10/17/2002

Sample Number: 30311
Client ID: Trip Blk

QC Prep Batch Number: 1002524

Collection: Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 10/17/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 10/17/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 10/17/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 10/17/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 10/17/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 10/17/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 10/17/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 10/17/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 10/17/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020763**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 15-Oct-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	/ 10/17/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 10/17/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 10/17/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 10/17/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 10/17/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 10/17/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 10/17/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 10/17/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 10/17/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 10/17/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 10/17/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 10/17/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 10/17/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 10/17/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 10/17/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 10/17/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 10/17/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 10/17/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 10/17/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 10/17/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 10/17/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 10/17/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 10/17/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 10/17/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 10/17/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 10/17/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 10/17/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 10/17/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 10/17/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 10/17/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 10/17/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 10/17/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 10/17/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 10/17/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 10/17/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 10/17/2002

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020763**
DATE REPORTED:	08-Nov-02
DATE RECEIVED:	15-Oct-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	/ 10/17/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	/ 10/17/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	/ 10/17/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	/ 10/17/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	/ 10/17/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	/ 10/17/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	/ 10/17/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	/ 10/17/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	/ 10/17/2002

Approved By: James Chang/LAB **Date:** 11/8/02
James Chang, Ph.D. , Lab Director

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

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INORGANIC REPORT

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

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SD HEADQUARTERS

WDNR# 241340550

INVOICE NUMBER **20020776**
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 21-Oct-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: 30383	Matrix: GW							Collection: 10/21/2002		Time: 07:45	
Client ID: **WA01P**								Sample Description: 021021			
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	nr	10/23/2002	*1002423*	
Barium - ICAP	0.11	mg/l		RJ	0.007	0.02	200.7	am	11/4/2002	*1002594*	
Cadmium - Furnace AA	<0.4	ug/l		RJ	0.4	1.3	213.2	nr	10/24/2002	*1002436*	
Cadmium-Total Recoverable	<0.4	ug/l		RJ	0.4	1.3	7131	nr	10/24/2002	*1002437*	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	am	11/4/2002	*1002594*	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	am	11/4/2002	*1002594*	
Iron - ICAP	1.1	mg/l		RJ	0.081	0.26	200.7	am	11/4/2002	*1002594*	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	nr	10/23/2002	*1002402*	
Manganese - ICAP	0.15	mg/l		RJ	0.006	0.02	200.7	am	11/4/2002	*1002594*	
Mercury CV	0.0002	mg/l	J	RJ	0.0002	0.0006	245.1	am	10/28/2002	*1002393*	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	am	11/4/2002	*1002594*	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	nr	10/28/2002	*1002459*	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	am	11/4/2002	*1002594*	
Thallium - Furnace AA	<1.3	ug/l		RJ	1.3	4.1	279.2	nr	10/28/2002	*1002465*	
Zinc - ICAP	<0.014	mg/l		RJ	0.014	0.04	200.7	am	11/4/2002	*1002594*	
Chromium, Hexavalent	<0.0042	mg/l		RJ	0.004	0.01	SM 3500D	am	11/14/2002	*1002688*	
Cyanide, Amenable	<0.006	mg/l		RJ	0.006	0.02	335.2	nr	10/24/2002	*1002427*	
Cyanide, Total	0.02	mg/l		RJ	0.006	0.02	335.2	nr	10/24/2002	*1002424*	
pH (water)	6.9	s.u.	#	RJ			150.1	am	11/7/2002	*1002630*	
Sample Number: 30384	Matrix: GW							Collection: 10/21/2002		Time: 07:50	
Client ID: **WA05P**								Sample Description: 021021			
pH (water)	7.6	s.u.	#	RJ			150.1	am	11/7/2002	*1002630*	
Sample Number: 30386	Matrix: GW							Collection: 10/21/2002		Time: 07:35	
Client ID: **WA09P**								Sample Description: 021021			
Chromium, Hexavalent	<0.0042	mg/l		RJ	0.004	0.01	SM 3500D	am	11/14/2002	*1002688*	
Cyanide, Amenable	<0.006	mg/l		RJ	0.006	0.02	335.2	nr	10/24/2002	*1002427*	
Cyanide, Total	0.009	mg/l	J	RJ	0.006	0.02	335.2	nr	10/24/2002	*1002424*	
pH (water)	7.6	s.u.	#	RJ			150.1	am	11/7/2002	*1002630*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020776**
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 21-Oct-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: 30387 Matrix: GW
Client ID: **WA09R**
Collection: 10/21/2002 Time: 07:42
Sample Description: 021021

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	10/23/2002	*1002423*	
Barium - ICAP	**0.09**	**mg/l**		**RJ**	0.007	0.02	200.7	am	11/4/2002	*1002594*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	nr	10/24/2002	*1002436*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	nr	10/24/2002	*1002437*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	am	11/4/2002	*1002594*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	am	11/4/2002	*1002594*	
Iron - ICAP	**0.19**	**mg/l**	*J*	**RJ**	0.081	0.26	200.7	am	11/4/2002	*1002594*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	nr	10/23/2002	*1002402*	
Manganese - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.006	0.02	200.7	am	11/4/2002	*1002594*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	am	10/22/2002	*1002393*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	am	11/4/2002	*1002594*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	nr	10/28/2002	*1002459*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	am	11/4/2002	*1002594*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	nr	10/28/2002	*1002465*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	am	11/4/2002	*1002594*	

Approved By: James Chang JAB **Date:** 11/15/02
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:	**20020776**
DATE REPORTED:	08-Nov-02
DATE RECEIVED:	21-Oct-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: 30383 QC Prep Batch Number: 1002566 Collection: 10/21/2002 Time: 07:45
Client ID: WA01P Sample Description: 021021

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

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WDNR# 241340550

BATCH NUMBER: **20020776**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 21-Oct-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	10/22/2002 / 10/22/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/22/2002 / 10/22/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/22/2002 / 10/22/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	10/22/2002 / 10/22/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/22/2002 / 10/22/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	10/22/2002 / 10/22/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	10/22/2002 / 10/22/2002
Methyl-t-butyl ether	4.2	ug/l	2.0	6.2	5	J	8260	qh	10/22/2002 / 10/22/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/22/2002 / 10/22/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	10/22/2002 / 10/22/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	10/22/2002 / 10/22/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	10/22/2002 / 10/22/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/22/2002 / 10/22/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/22/2002 / 10/22/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/22/2002 / 10/22/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/22/2002 / 10/22/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/22/2002 / 10/22/2002
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/22/2002 / 10/22/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	10/22/2002 / 10/22/2002
trans-1,2-Dichloroethene	1.4	ug/l	1.3	4.0	5	J	8260	qh	10/22/2002 / 10/22/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/22/2002 / 10/22/2002
Trichloroethene	170	ug/l	1.7	5.4	5		8260	qh	10/22/2002 / 10/22/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	10/22/2002 / 10/22/2002
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	10/22/2002 / 10/22/2002

Sample Number: 30385 QC Prep Batch Number: 1002566 Collection: 10/21/2002 Time: 07:40
Client ID: WA07P Sample Description: 021021

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/22/2002 / 10/22/2002
1,1,1-Trichloroethane	15	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloroethane	2.2	ug/l	0.32	1.0	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloroethene	0.64	ug/l	0.34	1.1	1	J	8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/22/2002 / 10/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/22/2002 / 10/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/22/2002 / 10/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/22/2002 / 10/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020776**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 21-Oct-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	10/22/2002 / 10/22/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	10/22/2002 / 10/22/2002
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	10/22/2002 / 10/22/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	10/22/2002 / 10/22/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	10/22/2002 / 10/22/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	10/22/2002 / 10/22/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	10/22/2002 / 10/22/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	10/22/2002 / 10/22/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	10/22/2002 / 10/22/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	10/22/2002 / 10/22/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	10/22/2002 / 10/22/2002
cis-1,2-Dichloroethene	5.4	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	10/22/2002 / 10/22/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	10/22/2002 / 10/22/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	10/22/2002 / 10/22/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	10/22/2002 / 10/22/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	10/22/2002 / 10/22/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	10/22/2002 / 10/22/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	10/22/2002 / 10/22/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	10/22/2002 / 10/22/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
Tetrachloroethene	0.75	ug/l	0.31	0.99	1	J	8260	qh	10/22/2002 / 10/22/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	10/22/2002 / 10/22/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020776**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 21-Oct-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	10/22/2002 / 10/22/2002
Trichloroethene	59	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/22/2002 / 10/22/2002
Vinyl chloride	0.52	ug/l	0.20	0.64	1	J	8260	qh	10/22/2002 / 10/22/2002

Sample Number: 30386 QC Prep Batch Number: 1002566 Collection: 10/21/2002 Time: 07:35
Client ID: WA09P Sample Description: 021021

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/22/2002 / 10/22/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/22/2002 / 10/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/22/2002 / 10/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/22/2002 / 10/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/22/2002 / 10/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/22/2002 / 10/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/22/2002 / 10/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/22/2002 / 10/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/22/2002 / 10/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/22/2002 / 10/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/22/2002 / 10/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/22/2002 / 10/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/22/2002 / 10/22/2002

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APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3091

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020776
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 21-Oct-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	10/22/2002 / 10/22/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	10/22/2002 / 10/22/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	10/22/2002 / 10/22/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	10/22/2002 / 10/22/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	10/22/2002 / 10/22/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	10/22/2002 / 10/22/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	10/22/2002 / 10/22/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	10/22/2002 / 10/22/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	10/22/2002 / 10/22/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	10/22/2002 / 10/22/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	10/22/2002 / 10/22/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	10/22/2002 / 10/22/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	10/22/2002 / 10/22/2002

Sample Number: 30388 QC Prep Batch Number: 1002566 Collection: 10/21/2002 Time:
Client ID: Trip BLK Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	10/22/2002 / 10/22/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	10/22/2002 / 10/22/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	10/22/2002 / 10/22/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	10/22/2002 / 10/22/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020776**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 21-Oct-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	10/22/2002 / 10/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/22/2002 / 10/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/22/2002 / 10/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/22/2002 / 10/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/22/2002 / 10/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/22/2002 / 10/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/22/2002 / 10/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/22/2002 / 10/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/22/2002 / 10/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/22/2002 / 10/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/22/2002 / 10/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/22/2002 / 10/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/22/2002 / 10/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/22/2002 / 10/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/22/2002 / 10/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/22/2002 / 10/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/22/2002 / 10/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/22/2002 / 10/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/22/2002 / 10/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/22/2002 / 10/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020776**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 21-Oct-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	10/22/2002 / 10/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/22/2002 / 10/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/22/2002 / 10/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/22/2002 / 10/22/2002

Sample Number: 30389 QC Prep Batch Number: 1002566 Collection: 10/21/2002 Time: 09:15
Client ID: MW150P Sample Description: 021021

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/22/2002 / 10/22/2002
1,1,1-Trichloroethane	5.2	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/22/2002 / 10/22/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/22/2002 / 10/22/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/22/2002 / 10/22/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/22/2002 / 10/22/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/22/2002 / 10/22/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/22/2002 / 10/22/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/22/2002 / 10/22/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/22/2002 / 10/22/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/22/2002 / 10/22/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/22/2002 / 10/22/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/22/2002 / 10/22/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/22/2002 / 10/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020776**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 21-Oct-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	10/22/2002 / 10/22/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/22/2002 / 10/22/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/22/2002 / 10/22/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/22/2002 / 10/22/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/22/2002 / 10/22/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/22/2002 / 10/22/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/22/2002 / 10/22/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/22/2002 / 10/22/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/22/2002 / 10/22/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/22/2002 / 10/22/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/22/2002 / 10/22/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/22/2002 / 10/22/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/22/2002 / 10/22/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/22/2002 / 10/22/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/22/2002 / 10/22/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/22/2002 / 10/22/2002
Tetrachloroethene	19	ug/l	0.31	0.99	1		8260	qh	10/22/2002 / 10/22/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/22/2002 / 10/22/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/22/2002 / 10/22/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/22/2002 / 10/22/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/22/2002 / 10/22/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/22/2002 / 10/22/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/22/2002 / 10/22/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20020776**
DATE REPORTED:	08-Nov-02
DATE RECEIVED:	21-Oct-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 /10B **Date:** 11/8/02
James Chang, Ph.D. , Lab Director

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

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APL INC.

INORGANIC REPORT

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

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WDNR# 241340550

INVOICE NUMBER **20020792**
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 28-Oct-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: 30444	Matrix: GW							Collection: 10/28/2002		Time: 06 50	
Client ID: **WA01P**								Sample Description: 021028			
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	nr	10/28/2002	*1002482*	
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.007	0.02	200.7	am	11/7/2002	*1002598*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**RJ**	0.4	1.3	213.2	nr	10/30/2002	*1002542*	
Cadmium-Total Recoverable	**<0.4**	**ug/l**		**RJ**	0.4	1.3	7131	am	11/7/2002	*1002632*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	am	11/7/2002	*1002598*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	am	11/7/2002	*1002598*	
Iron - ICAP	**1.1**	**mg/l**		**RJ**	0.081	0.26	200.7	am	11/7/2002	*1002598*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	nr	10/31/2002	*1002544*	
Manganese - ICAP	**0.13**	**mg/l**		**RJ**	0.006	0.02	200.7	am	11/7/2002	*1002598*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	am	11/5/2002	*1002590*	
Nickel - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	am	11/7/2002	*1002598*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	nr	11/1/2002	*1002573*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	am	11/7/2002	*1002598*	
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	11/7/2002	*1002598*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	am	11/14/2002	*1002688*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	nr	10/31/2002	*1002549*	
Cyanide, Total	**0.008**	**mg/l**	*J*	**RJ**	0.006	0.02	335.2	nr	10/31/2002	*1002548*	
pH (water)	**7**	**s.u.**	#	**RJ**			150.1	am	11/7/2002	*1002630*	
Sample Number: 30445	Matrix: GW							Collection: 10/28/2002		Time: 06:40	
Client ID: **WA05P**								Sample Description: 021028			
pH (water)	**7.4**	**s.u.**	#	**RJ**			150.1	am	11/7/2002	*1002630*	
Sample Number: 30447	Matrix: GW							Collection: 10/28/2002		Time: 06:45	
Client ID: **WA09P**								Sample Description: 021028			
Chromium, Hexavalent	**<0.0042**	**mg/l**		**RJ**	0.004	0.01	SM 3500D	am	11/14/2002	*1002588*	
Cyanide, Amenable	**<0.006**	**mg/l**		**RJ**	0.006	0.02	335.2	nr	10/31/2002	*1002549*	
Cyanide, Total	**0.01**	**mg/l**	*J*	**RJ**	0.006	0.02	335.2	nr	10/31/2002	*1002548*	
pH (water)	**7.7**	**s.u.**	#	**RJ**			150.1	am	11/7/2002	*1002630*	

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20020792**
DATE REPORTED: 15-Nov-02
DATE RECEIVED: 28-Oct-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: 30448 Matrix: GW
Client ID: **WA09R**
Collection: 10/28/2002 Time: 06:55
Sample Description: 021028

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	10/28/2002	*1002482*	
Barium - ICAP	0.09	mg/l		RJ	0.007	0.02	200.7	am	11/7/2002	*1002598*	
Cadmium - Furnace AA	<0.4	ug/l		RJ	0.4	1.3	213.2	nr	10/30/2002	*1002542*	
Cadmium-Total Recoverable	<0.4	ug/l		RJ	0.4	1.3	7131	am	11/7/2002	*1002632*	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	am	11/7/2002	*1002598*	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	am	11/7/2002	*1002598*	
Iron - ICAP	0.18	mg/l	J	RJ	0.081	0.26	200.7	am	11/7/2002	*1002598*	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	nr	10/31/2002	*1002544*	
Manganese - ICAP	0.02	mg/l		RJ	0.006	0.02	200.7	am	11/7/2002	*1002598*	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	am	11/5/2002	*1002590*	
Nickel - ICAP	<0.011	mg/l		RJ	0.011	0.03	200.7	am	11/7/2002	*1002598*	
Selenium - Furnace AA	4.9	ug/l	J	RJ	4.8	15	270.2	nr	11/1/2002	*1002573*	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	am	11/7/2002	*1002598*	
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	11/7/2002	*1002598*	

Approved By: James Chang JCP **Date:** 11/15/02
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: 20020792
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 28-Oct-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: 30444 QC Prep Batch Number: 1002609 Collection: 10/28/2002 Time: 06:50
Client ID: WA01P Sample Description: 021028

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	10/30/2002 / 10/30/2002
1,1,1-Trichloroethane	90	ug/l	1.6	4.9	5		8260	qh	10/30/2002 / 10/30/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	10/30/2002 / 10/30/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloroethane	13	ug/l	1.6	5.1	5		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloroethene	4.5	ug/l	1.7	5.4	5	J	8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	10/30/2002 / 10/30/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	10/30/2002 / 10/30/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	10/30/2002 / 10/30/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	10/30/2002 / 10/30/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/30/2002 / 10/30/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	10/30/2002 / 10/30/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/30/2002 / 10/30/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/30/2002 / 10/30/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/30/2002 / 10/30/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	10/30/2002 / 10/30/2002
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	10/30/2002 / 10/30/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/30/2002 / 10/30/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	10/30/2002 / 10/30/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	10/30/2002 / 10/30/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/30/2002 / 10/30/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/30/2002 / 10/30/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	10/30/2002 / 10/30/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	10/30/2002 / 10/30/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/30/2002 / 10/30/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/30/2002 / 10/30/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	10/30/2002 / 10/30/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	10/30/2002 / 10/30/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/30/2002 / 10/30/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	10/30/2002 / 10/30/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/30/2002 / 10/30/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/30/2002 / 10/30/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	10/30/2002 / 10/30/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	10/30/2002 / 10/30/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	10/30/2002 / 10/30/2002
cis-1,2-Dichloroethene	26	ug/l	1.4	4.3	5		8260	qh	10/30/2002 / 10/30/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	10/30/2002 / 10/30/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	10/30/2002 / 10/30/2002

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

WDNR# 241340550

BATCH NUMBER: **20020792**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 28-Oct-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	10/30/2002 / 10/30/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/30/2002 / 10/30/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/30/2002 / 10/30/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	10/30/2002 / 10/30/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/30/2002 / 10/30/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	10/30/2002 / 10/30/2002
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	10/30/2002 / 10/30/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/30/2002 / 10/30/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/30/2002 / 10/30/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	10/30/2002 / 10/30/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	10/30/2002 / 10/30/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	10/30/2002 / 10/30/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/30/2002 / 10/30/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/30/2002 / 10/30/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/30/2002 / 10/30/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/30/2002 / 10/30/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/30/2002 / 10/30/2002
Tetrachloroethene	3.1	ug/l	1.6	4.9	5	J	8260	qh	10/30/2002 / 10/30/2002
Toluene	3.6	ug/l	1.5	4.6	5	J	8260	qh	10/30/2002 / 10/30/2002
trans-1,2-Dichloroethene	12	ug/l	1.3	4.0	5		8260	qh	10/30/2002 / 10/30/2002
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/30/2002 / 10/30/2002
Trichloroethene	326	ug/l	1.7	5.4	5		8260	qh	10/30/2002 / 10/30/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	10/30/2002 / 10/30/2002
Vinyl chloride	1.2	ug/l	1.0	3.2	5	J	8260	qh	10/30/2002 / 10/30/2002

Sample Number: 30446
Client ID: WA07P

QC Prep Batch Number: 1002609

Collection: 10/28/2002 Time: 06:42
Sample Description: 021028

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/30/2002 / 10/30/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/30/2002 / 10/30/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/30/2002 / 10/30/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/30/2002 / 10/30/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/30/2002 / 10/30/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/30/2002 / 10/30/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/30/2002 / 10/30/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020792**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 28-Oct-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	10/30/2002 / 10/30/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/30/2002 / 10/30/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/30/2002 / 10/30/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/30/2002 / 10/30/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/30/2002 / 10/30/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/30/2002 / 10/30/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/30/2002 / 10/30/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/30/2002 / 10/30/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/30/2002 / 10/30/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/30/2002 / 10/30/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/30/2002 / 10/30/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/30/2002 / 10/30/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/30/2002 / 10/30/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/30/2002 / 10/30/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/30/2002 / 10/30/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/30/2002 / 10/30/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/30/2002 / 10/30/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1 1	1		8260	qh	10/30/2002 / 10/30/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/30/2002 / 10/30/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/30/2002 / 10/30/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/30/2002 / 10/30/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002

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APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020792**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 28-Oct-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	10/30/2002 / 10/30/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/30/2002 / 10/30/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/30/2002 / 10/30/2002

Sample Number: 30447 QC Prep Batch Number: 1002609 Collection: 10/28/2002 Time: 06:45
Client ID: WA09P Sample Description: 021028

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/30/2002 / 10/30/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/30/2002 / 10/30/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/30/2002 / 10/30/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/30/2002 / 10/30/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/30/2002 / 10/30/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/30/2002 / 10/30/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/30/2002 / 10/30/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/30/2002 / 10/30/2002
1,4-Dichlorobenzene	0.36	ug/l	0.36	1.1	1		8260	qh	10/30/2002 / 10/30/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/30/2002 / 10/30/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/30/2002 / 10/30/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/30/2002 / 10/30/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/30/2002 / 10/30/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/30/2002 / 10/30/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/30/2002 / 10/30/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/30/2002 / 10/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020792**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 28-Oct-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	10/30/2002 / 10/30/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/30/2002 / 10/30/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/30/2002 / 10/30/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/30/2002 / 10/30/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/30/2002 / 10/30/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/30/2002 / 10/30/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/30/2002 / 10/30/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/30/2002 / 10/30/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/30/2002 / 10/30/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/30/2002 / 10/30/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/30/2002 / 10/30/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
trans-1,3-Dichloropropene	0.26	ug/l	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
Trichlorofluoromethane	< 0.25	ug/l	0.25	0.76	1		8260	qh	10/30/2002 / 10/30/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/30/2002 / 10/30/2002

Sample Number: 30449 QC Prep Batch Number: 1002509 Collection: Time:
Client ID: Trip BLK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/30/2002 / 10/30/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/30/2002 / 10/30/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/30/2002 / 10/30/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/30/2002 / 10/30/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/30/2002 / 10/30/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/30/2002 / 10/30/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020792**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 28-Oct-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	10/30/2002 / 10/30/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/30/2002 / 10/30/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/30/2002 / 10/30/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/30/2002 / 10/30/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/30/2002 / 10/30/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/30/2002 / 10/30/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/30/2002 / 10/30/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/30/2002 / 10/30/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/30/2002 / 10/30/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/30/2002 / 10/30/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/30/2002 / 10/30/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/30/2002 / 10/30/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/30/2002 / 10/30/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/30/2002 / 10/30/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/30/2002 / 10/30/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/30/2002 / 10/30/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/30/2002 / 10/30/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/30/2002 / 10/30/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/30/2002 / 10/30/2002
Methyl-t-butyl ether	0.39	ug/l	0.39	1.2	1		8260	qh	10/30/2002 / 10/30/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/30/2002 / 10/30/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/30/2002 / 10/30/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/30/2002 / 10/30/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20020792**
DATE REPORTED: 08-Nov-02
DATE RECEIVED: 28-Oct-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	10/30/2002 / 10/30/2002
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	10/30/2002 / 10/30/2002
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/30/2002 / 10/30/2002
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	10/30/2002 / 10/30/2002
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/30/2002 / 10/30/2002
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/30/2002 / 10/30/2002
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/30/2002 / 10/30/2002
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	10/30/2002 / 10/30/2002
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	10/30/2002 / 10/30/2002

Approved By: James Chang /DB **Date:** 11/8/02
James Chang, Ph.D. , Lab Director

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

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

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.