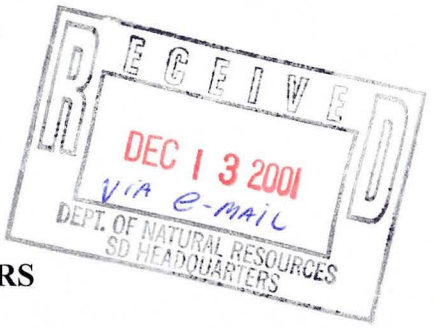
MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY

ASHIPPUN, WISCONSIN 53003



Prepared for:

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

Prepared by:

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

December 15, 2001 – FOR NOV 2001

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for November, 2001. The OEGTP is located at the site of the former Oconomowoc Electroplating Company, in Ashippun, WI.

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

1.1 Site Background Review

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

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

1.2 Project Objectives

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

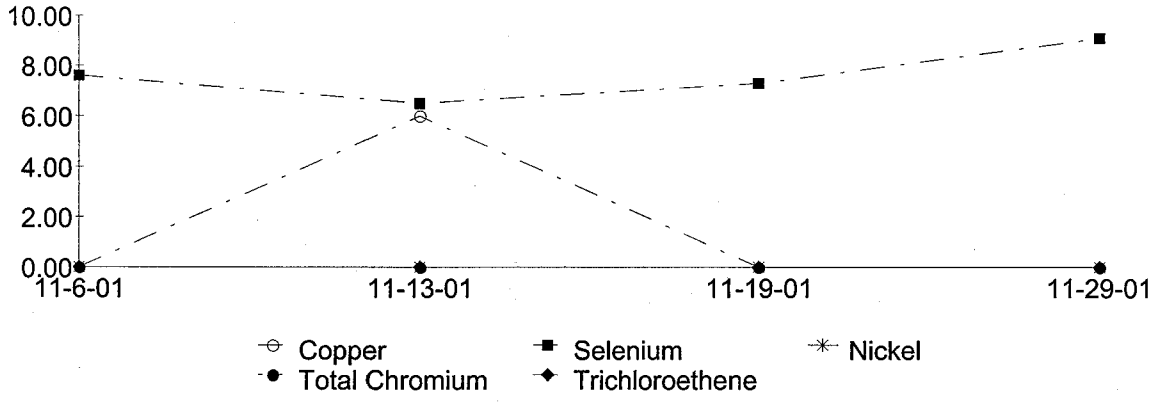
1.3 Effluent Monitoring

Weekly monitoring was conducted on November 6, 13, 19, and 29. The weekly samples for November, 2001 were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in November showed no exceedences of the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

The results of the effluent monitoring tests for the samples taken in November, 2001, showed no exceedences of the WDNR effluent discharge permit.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down three times for a total of 14.42 hours in November, 2001. The shut downs were to clean RMT-301 and FT-311, due to a Low EQT-100 Level, and due to the Failure of TFP-111. Table 1 shows the summary of the plant down times for the month of November, 2001.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
11-9-01	1	Shut Down to Clean RMT-301 & FT-311
11-11-01	9.75	Shut Down due to Low EQT-100 Level
11-28-01	3.67	Shut Down due to the Failure of TFP-111
TOTAL	**14.42**	

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

On November 9, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-120). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer were cleaned in RMT-301 and the walls, mixer, and floor were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-120 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Also, addressed during the shut down was acid cleaning the Treatment System Feed Pump

(TFP-111) and rebuilding the Equalization Tank's Solids Removal Pump (ESP-121). Total down time was 1 hour. APL Inc., WDNR, and USACE were notified.

3.2 Shut Down due to Low Equalization Tank Level

On November 11, at 0615 hours, the treatment plant was shut down automatically due to a low Equalization Tank (EQT-100) level. The week end operator failed to slow the flow through the treatment plant to compensate for the daily drop in the EQT-100 level. When the level in the EQT-100 drops below 25%, the treatment plant automatically shuts down, but the Extraction Wells (EW-1/2/3/4/5) keep operating. When the level in EQT-100 reaches >55%, the treatment plant automatically restarts. The weekend operator found the treatment plant shut down upon his arrival for work and was unable to figure out the problem. The weekend operator left a message for the plant superintendent, but he was not in. The plant superintendent arrived on site at 1445 hours to inspect the situation and found that the weekend operator had shut down the EW's. The EW's were reactivated, the Filter Press (FP-800) was activated, the Diffused Air Stripper (DAS-500) was drained, the Tertiary Filtration Holding Tank (TFT-601) was drained, the Effluent Holding Tank (EHT-700) was drained, the Treatment System Feed Pump (TFP-111) was activated in the manual mode, and the flow through the treatment plant was reduced. It took until 1800 hours before the level in the EQT-100 reached to >55%. TFP-111 was put back into the automatic mode and the effluent pH was tested. All returned to normal operating parameters Total down time was 9.75 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

3.3 Shut Down due to the Failure of TFP-111

On November 28, at 1:40 A.M., the treatment plant shut down due to the failure of the lead Treatment System Feed Pump (TFP-111). The failure was discovered upon the arrival of the treatment plant operator. TFP-111 was isolated and the stand-by Treatment System Feed Pump (TFP-110) was put in line and activated at 5:20 A.M. The treatment system was monitored until all processes returned to normal operating parameters. It is suspected that the Equalization Tank (EQT-100) has a deep layer of sludge that is being "sucked" into the impellers of the treatment system feed pumps. Plans are being made to have the EQT-100 cleaned. Total down time was 3.67 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 3 times during the month of November, 2001. It was filled and emptied on November 9, 14, and 28. The dewatered sludge is sampled 1 time per year after the first opening of the press into the new hopper. We have 90 days, after the first opening of the press and dumping into the new hopper, to have it removed from the site. The sludge was sampled on January 22. A new hopper was set up on September 10, 2001. The first filter press load of dewatered sludge that was added to the new hopper occurred on September 12. The dewatered sludge hopper removal date is December 11, 2001. There were 12 filter press loads of dewatered sludge in the hopper at the end of November, 2001.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on November 6, 13, 19, and 29 of 2001. The laboratory results of these samples showed that there were no exceedences of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of November, 2001, the plant was shut down three times for a total of 14.42 hour. See Table 1, Section 3.0 for shut down times. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by December 15, 2001.

The Filter Press was filled and emptied 3 times during the month of November, 2001. A new hopper was set up on September 10. The hopper had 12 Filter Press fillings in it at the end of November, 2001.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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: 26458
Client ID: 011106

QC Prep Batch Number: 998980

Collection: 11/6/2001 Time: 08:12
Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	10		8260	us	11/14/2001 / 11/14/2001
1,1,1-Trichloroethane	120	ug/l	3.1	9.9	10		8260	us	11/14/2001 / 11/14/2001
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	10		8260	us	11/14/2001 / 11/14/2001
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	10		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethane	14	ug/l	3.2	10	10		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethene	6.7	ug/l	3.4	11	10	J	8260	us	11/14/2001 / 11/14/2001
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	10		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichlorobenzene	< 5.0	ug/l	5.0	16	10		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	10		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	10		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trimethylbenzene	< 3.0	ug/l	3.0	9.5	10		8260	us	11/14/2001 / 11/14/2001
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	10		8260	us	11/14/2001 / 11/14/2001
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	10		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	10		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	10		8260	us	11/14/2001 / 11/14/2001
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	10		8260	us	11/14/2001 / 11/14/2001
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	10		8260	us	11/14/2001 / 11/14/2001
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	10		8260	us	11/14/2001 / 11/14/2001
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	10		8260	us	11/14/2001 / 11/14/2001
12Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	10		8260	us	11/14/2001 / 11/14/2001
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	10		8260	us	11/14/2001 / 11/14/2001
2-Butanone (MEK)	< 14	ug/l	14	44	10		8260	us	11/14/2001 / 11/14/2001
2-Chloroethyl Vinyl Ether	< 7.0	ug/l	7.0	22	10		8260	us	11/14/2001 / 11/14/2001
2-Chlorotoluene	< 3.0	ug/l	3.0	9.5	10		8260	us	11/14/2001 / 11/14/2001
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	10		8260	us	11/14/2001 / 11/14/2001
4-Methyl-2-Pentanone	< 8.0	ug/l	8.0	25	10		8260	us	11/14/2001 / 11/14/2001
Acetone	< 16	ug/l	16	49	10		8260	us	11/14/2001 / 11/14/2001
Benzene	< 2.7	ug/l	2.7	8.6	10		8260	us	11/14/2001 / 11/14/2001
Bromobenzene	< 3.1	ug/l	3.1	9.9	10		8260	us	11/14/2001 / 11/14/2001
Bromochloromethane	< 3.7	ug/l	3.7	12	10		8260	us	11/14/2001 / 11/14/2001
Bromodichloromethane	< 3.8	ug/l	3.8	12	10		8260	us	11/14/2001 / 11/14/2001
Bromoform	< 3.9	ug/l	3.9	12	10		8260	us	11/14/2001 / 11/14/2001
Bromomethane	< 6.5	ug/l	6.5	21	10		8260	us	11/14/2001 / 11/14/2001
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	10		8260	us	11/14/2001 / 11/14/2001
Chlorobenzene	< 2.6	ug/l	2.6	8.3	10		8260	us	11/14/2001 / 11/14/2001
Chloroethane	< 6.4	ug/l	6.4	20	10		8260	us	11/14/2001 / 11/14/2001
Chloroform	< 2.4	ug/l	2.4	7.6	10		8260	us	11/14/2001 / 11/14/2001
Chloromethane	< 4.9	ug/l	4.9	16	10		8260	us	11/14/2001 / 11/14/2001
cis-1,2-Dichloroethene	28	ug/l	2.7	8.6	10		8260	us	11/14/2001 / 11/14/2001
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	10		8260	us	11/14/2001 / 11/14/2001
Dibromochloromethane	< 4.1	ug/l	4.1	13	10		8260	us	11/14/2001 / 11/14/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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	<4.6	ug/l	4.6	15	10		8260	us	11/14/2001 / 11/14/2001
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	10		8260	us	11/14/2001 / 11/14/2001
Ethylbenzene	<2.5	ug/l	2.5	8.0	10		8260	us	11/14/2001 / 11/14/2001
Hexachlorobutadiene	<4.2	ug/l	4.2	13	10		8260	us	11/14/2001 / 11/14/2001
Isopropyl Ether	<3.0	ug/l	3.0	9.5	10		8260	us	11/14/2001 / 11/14/2001
Isopropylbenzene	<3.3	ug/l	3.3	10	10		8260	us	11/14/2001 / 11/14/2001
m&p-xylene	<5.3	ug/l	5.3	17	10		8260	us	11/14/2001 / 11/14/2001
Methyl-t-butyl ether	<3.9	ug/l	3.9	12	10		8260	us	11/14/2001 / 11/14/2001
Methylene chloride	<3.0	ug/l	3.0	9.5	10		8260	us	11/14/2001 / 11/14/2001
n-Butylbenzene	<3.6	ug/l	3.6	11	10		8260	us	11/14/2001 / 11/14/2001
n-Propylbenzene	<2.8	ug/l	2.8	8.9	10		8260	us	11/14/2001 / 11/14/2001
Naphthalene	<7.5	ug/l	7.5	24	10		8260	us	11/14/2001 / 11/14/2001
o-xylene	<2.5	ug/l	2.5	8.0	10		8260	us	11/14/2001 / 11/14/2001
p-Isopropyltoluene	<3.1	ug/l	3.1	9.9	10		8260	us	11/14/2001 / 11/14/2001
sec-Butylbenzene	<3.4	ug/l	3.4	11	10		8260	us	11/14/2001 / 11/14/2001
Styrene	<2.5	ug/l	2.5	8.0	10		8260	us	11/14/2001 / 11/14/2001
tert-Butylbenzene	<3.0	ug/l	3.0	9.5	10		8260	us	11/14/2001 / 11/14/2001
Tetrachloroethene	3.3	ug/l	3.1	9.9	10	J	8260	us	11/14/2001 / 11/14/2001
Toluene	<2.9	ug/l	2.9	9.2	10		8260	us	11/14/2001 / 11/14/2001
trans-1,2-Dichloroethene	11	ug/l	2.5	8.0	10		8260	us	11/14/2001 / 11/14/2001
trans-1,3-Dichloropropene	<2.6	ug/l	2.6	8.3	10		8260	us	11/14/2001 / 11/14/2001
Trichloroethene	410	ug/l	3.4	11	10		8260	us	11/14/2001 / 11/14/2001
Trichlorofluoromethane	<2.4	ug/l	2.4	7.6	10		8260	us	11/14/2001 / 11/14/2001
Vinyl chloride	<2.0	ug/l	2.0	6.4	10		8260	us	11/14/2001 / 11/14/2001

Sample Number: 26463
Client ID: 011106

QC Prep Batch Number: 998980

Collection: 11/6/2001 Time: 08:17
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	us	11/14/2001 / 11/14/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001

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WDNR# 241340550

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DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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	us	11/14/2001 / 11/14/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	us	11/14/2001 / 11/14/2001
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	us	11/14/2001 / 11/14/2001
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	us	11/14/2001 / 11/14/2001
Acetone	<1.6	ug/l	1.6	4.9	1		8260	us	11/14/2001 / 11/14/2001
Benzene	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	us	11/14/2001 / 11/14/2001
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	us	11/14/2001 / 11/14/2001
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	us	11/14/2001 / 11/14/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	us	11/14/2001 / 11/14/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Dibromochloromethane	0.55	ug/l	0.41	1.3	1	J	8260	us	11/14/2001 / 11/14/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	us	11/14/2001 / 11/14/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	us	11/14/2001 / 11/14/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	us	11/14/2001 / 11/14/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
Methylene chloride	0.53	ug/l	0.30	0.95	1	J	8260	us	11/14/2001 / 11/14/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	us	11/14/2001 / 11/14/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	us	11/14/2001 / 11/14/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	us	11/14/2001 / 11/14/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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	us	11/14/2001 / 11/14/2001
Trichloroethene	0.62	ug/l	0.34	1.1	1	J	8260	us	11/14/2001 / 11/14/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	11/14/2001 / 11/14/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	11/14/2001 / 11/14/2001

Sample Number: 26464 QC Prep Batch Number: 998980 Collection: 11/6/2001 Time: 08:23
Client ID: 011106 Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	11/14/2001 / 11/14/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	11/14/2001 / 11/14/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	11/14/2001 / 11/14/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	11/14/2001 / 11/14/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	11/14/2001 / 11/14/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	11/14/2001 / 11/14/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	11/14/2001 / 11/14/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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	us	11/14/2001 / 11/14/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	11/14/2001 / 11/14/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	11/14/2001 / 11/14/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	11/14/2001 / 11/14/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	11/14/2001 / 11/14/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	11/14/2001 / 11/14/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
Methylene chloride	0.43	ug/l	0.30	0.95	1	J	8260	us	11/14/2001 / 11/14/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	11/14/2001 / 11/14/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	11/14/2001 / 11/14/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	11/14/2001 / 11/14/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	11/14/2001 / 11/14/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	11/14/2001 / 11/14/2001

Sample Number: 26465
Client ID: TRIP BLANK

QC Prep Batch Number: 998980

Collection: 11/6/2001 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	11/14/2001 / 11/14/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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	us	11/14/2001 / 11/14/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	us	11/14/2001 / 11/14/2001
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	us	11/14/2001 / 11/14/2001
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	us	11/14/2001 / 11/14/2001
Acetone	<1.6	ug/l	1.6	4.9	1		8260	us	11/14/2001 / 11/14/2001
Benzene	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	us	11/14/2001 / 11/14/2001
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	us	11/14/2001 / 11/14/2001
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	us	11/14/2001 / 11/14/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	us	11/14/2001 / 11/14/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	us	11/14/2001 / 11/14/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	us	11/14/2001 / 11/14/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	us	11/14/2001 / 11/14/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	us	11/14/2001 / 11/14/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	us	11/14/2001 / 11/14/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	us	11/14/2001 / 11/14/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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	us	11/14/2001 / 11/14/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	11/14/2001 / 11/14/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	11/14/2001 / 11/14/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	11/14/2001 / 11/14/2001

Sample Number: 26466 QC Prep Batch Number: 998980 Collection: 11/6/2001 Time: 08:17
Client ID: 011106 Sample Description: WA07Q

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	11/14/2001 / 11/14/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	11/14/2001 / 11/14/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	11/14/2001 / 11/14/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	11/14/2001 / 11/14/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	11/14/2001 / 11/14/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	11/14/2001 / 11/14/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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	us	11/14/2001 / 11/14/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	11/14/2001 / 11/14/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	11/14/2001 / 11/14/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	11/14/2001 / 11/14/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	11/14/2001 / 11/14/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Dibromochloromethane	0.47	ug/l	0.41	1.3	1	J	8260	us	11/14/2001 / 11/14/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	11/14/2001 / 11/14/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	11/14/2001 / 11/14/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	11/14/2001 / 11/14/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	11/14/2001 / 11/14/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	11/14/2001 / 11/14/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	11/14/2001 / 11/14/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
Trichloroethene	0.71	ug/l	0.34	1.1	1	J	8260	us	11/14/2001 / 11/14/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	11/14/2001 / 11/14/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	11/14/2001 / 11/14/2001

Sample Number: 26467
Client ID: 011106

QC Prep Batch Number: 998980

Collection: 11/6/2001 Time:
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	11/14/2001 / 11/14/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	us	11/14/2001 / 11/14/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	us	11/14/2001 / 11/14/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	us	11/14/2001 / 11/14/2001
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	us	11/14/2001 / 11/14/2001
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	us	11/14/2001 / 11/14/2001
Acetone	<1.6	ug/l	1.6	4.9	1		8260	us	11/14/2001 / 11/14/2001
Benzene	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	us	11/14/2001 / 11/14/2001
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	us	11/14/2001 / 11/14/2001
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	us	11/14/2001 / 11/14/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	us	11/14/2001 / 11/14/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	us	11/14/2001 / 11/14/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	us	11/14/2001 / 11/14/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	us	11/14/2001 / 11/14/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	us	11/14/2001 / 11/14/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	us	11/14/2001 / 11/14/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	us	11/14/2001 / 11/14/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	us	11/14/2001 / 11/14/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	us	11/14/2001 / 11/14/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	us	11/14/2001 / 11/14/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	11/14/2001 / 11/14/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	11/14/2001 / 11/14/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	11/14/2001 / 11/14/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	11/14/2001 / 11/14/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	11/14/2001 / 11/14/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	11/14/2001 / 11/14/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	11/14/2001 / 11/14/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	11/14/2001 / 11/14/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	11/14/2001 / 11/14/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	11/14/2001 / 11/14/2001

Approved By: _____ **Date:** 12/10/01

James Chang, Ph.D. , Lab Director

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010895**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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: 26458 Matrix: GW
Client ID: **011106**
Collection: 11/6/2001 Time: 08:12
Sample Description: WA01P

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	11/7/2001	*998846*	
Barium - ICAP	**0.13**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	11/14/2001	*998949*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	11/8/2001	*998860*	
Cadmium-Total Recoverable	**0**	**ug/l**		0.4	1.3	7131				*Preliminary Data*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	11/14/2001	*998949*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/14/2001	*998949*	
Iron - ICAP	**1.3**	**mg/l**	**HBS**	0.081	0.26	200.7	ez	11/14/2001	*998949*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	11/7/2001	*998835*	
Manganese - ICAP	**0.18**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/14/2001	*998949*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	11/12/2001	*998906*	
Nickel - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	11/14/2001	*998949*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	11/12/2001	*998898*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	11/14/2001	*998949*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	11/12/2001	*998904*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	11/14/2001	*998949*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	11/1/2001	*998890*	
COD. Total	**10**	**mg/l**	***J*** **RJ**	3.8	12	410.4-CT	ta	11/8/2001	*998972*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/9/2001	*998888*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/9/2001	*998881*	
pH (water)	**7**	**s.u.**	**#**			150.1	ogtp	11/6/2001	*998825*	
Solids, Total Suspended	**4.5**	**mg/l**		1	3.2	SM 2540D	jb	11/12/2001	*998877*	

Sample Number: 26459 Matrix: GW
Client ID: **011106**
Collection: 11/6/2001 Time: 08:15
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	11/7/2001	*998846*	
Barium - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.007	0.02	200.7	ez	11/14/2001	*998949*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	11/8/2001	*998860*	
Cadmium-Total Recoverable	**0**	**ug/l**		0.4	1.3	7131				*Preliminary Data*
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	11/14/2001	*998949*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/14/2001	*998949*	
Iron - ICAP	**0.09**	**mg/l**	***J*** **HBS**	0.081	0.26	200.7	ez	11/14/2001	*998949*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010895
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 06-Nov-01
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
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	11/7/2001	*998835*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/14/2001	*998949*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	11/12/2001	*998906*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	11/14/2001	*998949*	
Selenium - Furnace AA	**7.6**	**ug/l**	*J* **RJ**	4.8	15	270.2	jb	11/12/2001	*998898*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	11/14/2001	*998949*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	11/12/2001	*998904*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	11/14/2001	*998949*	
COD. Total	**<3.8**	**mg/l**	**RJ**	3.8	12	410.4-CT	ta	11/8/2001	*998972*	
Nitrate + Nitrite Nitrogen	**1.3**	**mg/l**	**RJ**	0.03	0.10	353.3	ta	11/13/2001	*998974*	
Nitrogen, Ammonia	**<0.1**	**mg/l**	**RJ**	0.1	0.32	350.1	ta	11/12/2001	*998973*	
Phosphorus, Total	**<0.1**	**mg/l**	**RJ**	0.1	0.32	365.2	ta	11/13/2001	*998975*	
Solids, Total Suspended	**5**	**mg/l**		1	3.2	SM 2540D	jb	11/12/2001	*998877*	
Sample Number: 26460		Matrix: GW						Collection: 11/6/2001		Time: 08:25
Client ID: **011106**								Sample Description: WA02P		
pH (water)	**9.4**	**s.u.**	**#**			150.1	ogtp	11/6/2001	*998825*	
Sample Number: 26461		Matrix: GW						Collection: 11/6/2001		Time: 08:27
Client ID: **011106**								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	11/6/2001	*998825*	
Sample Number: 26462		Matrix: GW						Collection: 11/6/2001		Time: 08:20
Client ID: **011106**								Sample Description: WA05P		
pH (water)	**7.6**	**s.u.**	**#**			150.1	ogtp	11/6/2001	*998825*	
Sample Number: 26467		Matrix: GW						Collection: 11/6/2001		Time:
Client ID: **011106**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	11/1/2001	*998890*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/9/2001	*998888*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/9/2001	*998881*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	ogtp	11/6/2001	*998825*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010895**
DATE REPORTED:	10-Dec-01
DATE RECEIVED:	06-Nov-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 12/10/01
James Chang, Ph.D. , Lab Director

HBS *High blank spike recovery; result may be biased high.*
RJ *Result expressed as Total.*
TTR *Result expressed as total and total recoverable.*

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
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: 26533
Client ID: 011113

QC Prep Batch Number: 998994

Collection: 11/13/2001 Time: 09:08
Sample Description: WA07P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/19/2001 / 11/19/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2001 / 11/19/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2001 / 11/19/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2001 / 11/19/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/19/2001 / 11/19/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/19/2001 / 11/19/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/19/2001 / 11/19/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/19/2001 / 11/19/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/19/2001 / 11/19/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/19/2001 / 11/19/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2001 / 11/19/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/19/2001 / 11/19/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/19/2001 / 11/19/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2001 / 11/19/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	11/19/2001 / 11/19/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2001 / 11/19/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	11/19/2001 / 11/19/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2001 / 11/19/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	11/19/2001 / 11/19/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	11/19/2001 / 11/19/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	11/19/2001 / 11/19/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2001 / 11/19/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	11/19/2001 / 11/19/2001

Sample Number: 26534
Client ID: 011113

QC Prep Batch Number: 998994

Collection: 11/13/2001 Time: 09:21
Sample Description: WA08P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	11/19/2001 / 11/19/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2001 / 11/19/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2001 / 11/19/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2001 / 11/19/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/19/2001 / 11/19/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/19/2001 / 11/19/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/19/2001 / 11/19/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/19/2001 / 11/19/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/19/2001 / 11/19/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/19/2001 / 11/19/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2001 / 11/19/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/19/2001 / 11/19/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/19/2001 / 11/19/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2001 / 11/19/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/19/2001 / 11/19/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2001 / 11/19/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/19/2001 / 11/19/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2001 / 11/19/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/19/2001 / 11/19/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/19/2001 / 11/19/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/19/2001 / 11/19/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2001 / 11/19/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	11/19/2001 / 11/19/2001

Sample Number: 26536 QC Prep Batch Number: 998994 Collection: 11/13/2001 Time: 09:10
Client ID: 011113 Sample Description: WA01P

1,1,1,2-Tetrachloroethane	<1.1	ug/l	1.1	3.5	5		8260	qh	11/19/2001 / 11/19/2001
1,1,1-Trichloroethane	115	ug/l	1.6	4.9	5		8260	qh	11/19/2001 / 11/19/2001
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	11/19/2001 / 11/19/2001
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethane	11	ug/l	1.6	5.1	5		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethene	<1.7	ug/l	1.7	5.4	5		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trimethylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2001 / 11/19/2001
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	qh	11/19/2001 / 11/19/2001
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	11/19/2001 / 11/19/2001
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	11/19/2001 / 11/19/2001
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	11/19/2001 / 11/19/2001
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	11/19/2001 / 11/19/2001
12Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	qh	11/19/2001 / 11/19/2001
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	11/19/2001 / 11/19/2001
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	11/19/2001 / 11/19/2001
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	11/19/2001 / 11/19/2001
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2001 / 11/19/2001
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	11/19/2001 / 11/19/2001
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	11/19/2001 / 11/19/2001
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	11/19/2001 / 11/19/2001
Benzene	<1.4	ug/l	1.4	4.3	5		8260	qh	11/19/2001 / 11/19/2001
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	11/19/2001 / 11/19/2001
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	11/19/2001 / 11/19/2001
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	11/19/2001 / 11/19/2001
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	11/19/2001 / 11/19/2001
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	11/19/2001 / 11/19/2001
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	11/19/2001 / 11/19/2001
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	11/19/2001 / 11/19/2001
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	11/19/2001 / 11/19/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
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	< 1.2	ug/l	1.2	3.8	5		8260	qh	11/19/2001 / 11/19/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	11/19/2001 / 11/19/2001
cis-1,2-Dichloroethene	30	ug/l	1.4	4.3	5		8260	qh	11/19/2001 / 11/19/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	11/19/2001 / 11/19/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	11/19/2001 / 11/19/2001
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	11/19/2001 / 11/19/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/19/2001 / 11/19/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/19/2001 / 11/19/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	11/19/2001 / 11/19/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2001 / 11/19/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	11/19/2001 / 11/19/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	11/19/2001 / 11/19/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/19/2001 / 11/19/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2001 / 11/19/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	11/19/2001 / 11/19/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	11/19/2001 / 11/19/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	11/19/2001 / 11/19/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/19/2001 / 11/19/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	11/19/2001 / 11/19/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/19/2001 / 11/19/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/19/2001 / 11/19/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/19/2001 / 11/19/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	11/19/2001 / 11/19/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	11/19/2001 / 11/19/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	11/19/2001 / 11/19/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/19/2001 / 11/19/2001
Trichloroethene	334	ug/l	1.7	5.4	5		8260	qh	11/19/2001 / 11/19/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	11/19/2001 / 11/19/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	11/19/2001 / 11/19/2001

Sample Number: 26539
Client ID: 011113

QC Prep Batch Number: 998994

Collection: 11/13/2001 Time: 09:30
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/19/2001 / 11/19/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2001 / 11/19/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2001 / 11/19/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2001 / 11/19/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/19/2001 / 11/19/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/19/2001 / 11/19/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/19/2001 / 11/19/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/19/2001 / 11/19/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/19/2001 / 11/19/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/19/2001 / 11/19/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2001 / 11/19/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/19/2001 / 11/19/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/19/2001 / 11/19/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2001 / 11/19/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/19/2001 / 11/19/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2001 / 11/19/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/19/2001 / 11/19/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2001 / 11/19/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/19/2001 / 11/19/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/19/2001 / 11/19/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	11/19/2001 / 11/19/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2001 / 11/19/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	11/19/2001 / 11/19/2001

Sample Number: 26540 QC Prep Batch Number: 998994 Collection: 11/13/2001 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	11/19/2001 / 11/19/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	11/19/2001 / 11/19/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	11/19/2001 / 11/19/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/19/2001 / 11/19/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2001 / 11/19/2001
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2001 / 11/19/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	11/19/2001 / 11/19/2001
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	11/19/2001 / 11/19/2001
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	11/19/2001 / 11/19/2001
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	11/19/2001 / 11/19/2001
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	11/19/2001 / 11/19/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/19/2001 / 11/19/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/19/2001 / 11/19/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2001 / 11/19/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/19/2001 / 11/19/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/19/2001 / 11/19/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/19/2001 / 11/19/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/19/2001 / 11/19/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/19/2001 / 11/19/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/19/2001 / 11/19/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/19/2001 / 11/19/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/19/2001 / 11/19/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/19/2001 / 11/19/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/19/2001 / 11/19/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/19/2001 / 11/19/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/19/2001 / 11/19/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/19/2001 / 11/19/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/19/2001 / 11/19/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/19/2001 / 11/19/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/19/2001 / 11/19/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/19/2001 / 11/19/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/19/2001 / 11/19/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/19/2001 / 11/19/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010912**
DATE REPORTED:	10-Dec-01
DATE RECEIVED:	13-Nov-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 12/10/01

James Chang, Ph.D. , Lab Director

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010912
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: 26532 Matrix: GW
Client ID: **011113**
Collection: 11/13/2001 Time: 09:25
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	11/14/2001	998925	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	ez	11/21/2001	999018	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	11/15/2001	998926	
Chromium, Total - ICAP	<.008	mg/l	RJ	0.008	0.03	200.7	ez	11/21/2001	999018	
Copper- ICAP	0.006	mg/l	J RJ	0.006	0.02	200.7	ez	11/21/2001	999018	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	11/21/2001	999018	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	11/15/2001	998943	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	11/21/2001	999018	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	11/21/2001	999005	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	11/21/2001	999018	
Selenium - Furnace AA	6.5	ug/l	J RJ	4.8	15	270.2	jb	11/13/2001	998916	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	11/21/2001	999018	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	11/15/2001	998944	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	11/21/2001	999018	

Sample Number: 26533 Matrix: GW
Client ID: **011113**
Collection: 11/13/2001 Time: 09:08
Sample Description: WA07P

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	jb	11/14/2001	998925	
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	ez	11/21/2001	999018	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	11/15/2001	998926	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	11/21/2001	999018	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	11/21/2001	999018	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	11/21/2001	999018	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	11/15/2001	998943	
Manganese - ICAP	0.008	mg/l	J RJ	0.006	0.02	200.7	ez	11/21/2001	999018	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	11/21/2001	999005	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	11/21/2001	999018	
Selenium - Furnace AA	6.1	ug/l	J RJ	4.8	15	270.2	jb	11/13/2001	998916	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	11/21/2001	999018	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	11/15/2001	998944	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	11/21/2001	999018	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
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Milwaukee , WI 53223

Sample Number: 26534 Matrix: GW
Client ID: **011113**
Collection: 11/13/2001 Time: 09:21
Sample Description: WA08P

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	jb	11/14/2001	*998925*	
Barium - ICAP	**<0.007**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	11/21/2001	*999018*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	11/15/2001	*998926*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	11/21/2001	*999018*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	11/21/2001	*999018*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	11/15/2001	*998943*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	11/21/2001	*999005*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	11/21/2001	*999018*	
Selenium - Furnace AA	**5.4**	**ug/l**	***J*** **RJ**	4.8	15	270.2	jb	11/13/2001	*998916*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	11/21/2001	*999018*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	11/15/2001	*998944*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	11/21/2001	*999018*	

Sample Number: 26535 Matrix: GW
Client ID: **011113**
Collection: 11/13/2001 Time: 09:19
Sample Description: WA05P

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	jb	11/14/2001	*998925*	
Barium - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.007	0.02	200.7	ez	11/21/2001	*999018*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	11/15/2001	*998926*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	11/21/2001	*999018*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	11/21/2001	*999018*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	11/15/2001	*998943*	
Manganese - ICAP	**0.01**	**mg/l**	***J*** **RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	11/21/2001	*999005*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	11/21/2001	*999018*	
Selenium - Furnace AA	**5**	**ug/l**	***J*** **RJ**	4.8	15	270.2	jb	11/13/2001	*998916*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	11/21/2001	*999018*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	11/15/2001	*998944*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	11/21/2001	*999018*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	**7.5**	**s.u.**	#			150.1	ogtp	11/13/2001	*998917*	
Sample Number: 26536	Matrix: GW							Collection: 11/13/2001		Time: 09:10
Client ID: **011113**								Sample Description: WA01P		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	11/14/2001	*998925*	
Barium - ICAP	**0.13**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	11/21/2001	*999018*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	11/15/2001	*998926*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	11/21/2001	*999018*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Iron - ICAP	**1.1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	11/21/2001	*999018*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	11/15/2001	*998943*	
Manganese - ICAP	**0.18**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	11/21/2001	*999005*	
Nickel - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	11/21/2001	*999018*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	11/13/2001	*998916*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	11/21/2001	*999018*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	11/15/2001	*998944*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	11/21/2001	*999018*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	11/8/2001	*998971*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/26/2001	*999050*	
Cyanide, Total	**0.02**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/26/2001	*999048*	
pH (water)	**7**	**s.u.**	#			150.1	ogtp	11/13/2001	*998917*	
Sample Number: 26537	Matrix: GW							Collection: 11/13/2001		Time: 09:15
Client ID: **011113**								Sample Description: WA02P		
pH (water)	**9.5**	**s.u.**	#			150.1	ogtp	11/13/2001	*998917*	
Sample Number: 26538	Matrix: GW							Collection: 11/13/2001		Time: 09:17
Client ID: **011113**								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	#			150.1	ogtp	11/13/2001	*998917*	
Sample Number: 26539	Matrix: GW							Collection: 11/13/2001		Time: 09:30
Client ID: **011113**								Sample Description: WA09P		

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010912**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 13-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	11/8/2001	*998971*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/26/2001	*999050*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/26/2001	*999048*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	ogtp	11/13/2001	*998917*	

Approved By: _____ **Date:** 12/10/01
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*
TTR *Result expressed as total and total recoverable.*

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010932**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 19-Nov-01
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: 26586
Client ID: 011119

QC Prep Batch Number: 999037

Collection: 11/19/2001 Time: 10:05
Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	11/20/2001 / 11/20/2001
1,1,1-Trichloroethane	103	ug/l	1.6	4.9	5		8260	qh	11/20/2001 / 11/20/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	11/20/2001 / 11/20/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethane	11	ug/l	1.6	5.1	5		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethene	8.4	ug/l	1.7	5.4	5		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/20/2001 / 11/20/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	11/20/2001 / 11/20/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	11/20/2001 / 11/20/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/20/2001 / 11/20/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/20/2001 / 11/20/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	11/20/2001 / 11/20/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	11/20/2001 / 11/20/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/20/2001 / 11/20/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	11/20/2001 / 11/20/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	11/20/2001 / 11/20/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	11/20/2001 / 11/20/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/20/2001 / 11/20/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	11/20/2001 / 11/20/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	11/20/2001 / 11/20/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/20/2001 / 11/20/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	11/20/2001 / 11/20/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	11/20/2001 / 11/20/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	11/20/2001 / 11/20/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	11/20/2001 / 11/20/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	11/20/2001 / 11/20/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	11/20/2001 / 11/20/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	11/20/2001 / 11/20/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	11/20/2001 / 11/20/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	11/20/2001 / 11/20/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	11/20/2001 / 11/20/2001
cis-1,2-Dichloroethene	29	ug/l	1.4	4.3	5		8260	qh	11/20/2001 / 11/20/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	11/20/2001 / 11/20/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	11/20/2001 / 11/20/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010932**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 19-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	qh	11/20/2001 / 11/20/2001
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	11/20/2001 / 11/20/2001
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	11/20/2001 / 11/20/2001
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	11/20/2001 / 11/20/2001
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	11/20/2001 / 11/20/2001
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	11/20/2001 / 11/20/2001
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	11/20/2001 / 11/20/2001
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	11/20/2001 / 11/20/2001
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	11/20/2001 / 11/20/2001
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	11/20/2001 / 11/20/2001
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	11/20/2001 / 11/20/2001
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	11/20/2001 / 11/20/2001
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	11/20/2001 / 11/20/2001
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	11/20/2001 / 11/20/2001
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	11/20/2001 / 11/20/2001
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	11/20/2001 / 11/20/2001
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	11/20/2001 / 11/20/2001
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	qh	11/20/2001 / 11/20/2001
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	11/20/2001 / 11/20/2001
trans-1,2-Dichloroethene	13	ug/l	1.3	4.0	5		8260	qh	11/20/2001 / 11/20/2001
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	qh	11/20/2001 / 11/20/2001
Trichloroethene	357	ug/l	1.7	5.4	5		8260	qh	11/20/2001 / 11/20/2001
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	qh	11/20/2001 / 11/20/2001
Vinyl chloride	<1.0	ug/l	1.0	3.2	5		8260	qh	11/20/2001 / 11/20/2001

Sample Number: 26590
Client ID: 011119

QC Prep Batch Number: 999037

Collection: 11/19/2001 Time: 10:10
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	11/20/2001 / 11/20/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/20/2001 / 11/20/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010932**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 19-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/20/2001 / 11/20/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/20/2001 / 11/20/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/20/2001 / 11/20/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/20/2001 / 11/20/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/20/2001 / 11/20/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/20/2001 / 11/20/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/20/2001 / 11/20/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/20/2001 / 11/20/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/20/2001 / 11/20/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/20/2001 / 11/20/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/20/2001 / 11/20/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/20/2001 / 11/20/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/20/2001 / 11/20/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/20/2001 / 11/20/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/20/2001 / 11/20/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/20/2001 / 11/20/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/20/2001 / 11/20/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/20/2001 / 11/20/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/20/2001 / 11/20/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010932
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 19-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	11/20/2001 / 11/20/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	11/20/2001 / 11/20/2001

Sample Number: 26591
Client ID: 011119

QC Prep Batch Number: 999037

Collection: 11/19/2001 Time: 10:12
Sample Description: WA08P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	11/20/2001 / 11/20/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	11/20/2001 / 11/20/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/20/2001 / 11/20/2001
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	11/20/2001 / 11/20/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	11/20/2001 / 11/20/2001
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	11/20/2001 / 11/20/2001
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	11/20/2001 / 11/20/2001
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	11/20/2001 / 11/20/2001
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	11/20/2001 / 11/20/2001
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	11/20/2001 / 11/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010932**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 19-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/20/2001 / 11/20/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/20/2001 / 11/20/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/20/2001 / 11/20/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/20/2001 / 11/20/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/20/2001 / 11/20/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/20/2001 / 11/20/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/20/2001 / 11/20/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/20/2001 / 11/20/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/20/2001 / 11/20/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/20/2001 / 11/20/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/20/2001 / 11/20/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/20/2001 / 11/20/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/20/2001 / 11/20/2001

Sample Number: 26592
Client ID: TRIP BLANK

QC Prep Batch Number: 999037

Collection: 11/19/2001 Time:
Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/20/2001 / 11/20/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010932**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 19-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/20/2001 / 11/20/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/20/2001 / 11/20/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/20/2001 / 11/20/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/20/2001 / 11/20/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/20/2001 / 11/20/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/20/2001 / 11/20/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/20/2001 / 11/20/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	11/20/2001 / 11/20/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	11/20/2001 / 11/20/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/20/2001 / 11/20/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	11/20/2001 / 11/20/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	11/20/2001 / 11/20/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/20/2001 / 11/20/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	11/20/2001 / 11/20/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/20/2001 / 11/20/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	11/20/2001 / 11/20/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/20/2001 / 11/20/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	11/20/2001 / 11/20/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	11/20/2001 / 11/20/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010932**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 19-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	11/20/2001 / 11/20/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	11/20/2001 / 11/20/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	11/20/2001 / 11/20/2001

Sample Number: 26593 QC Prep Batch Number: 999037 Collection: 11/19/2001 Time: 10:14
Client ID: 011119 Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	11/20/2001 / 11/20/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	11/20/2001 / 11/20/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	11/20/2001 / 11/20/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	11/20/2001 / 11/20/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	11/20/2001 / 11/20/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	11/20/2001 / 11/20/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	11/20/2001 / 11/20/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	11/20/2001 / 11/20/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	11/20/2001 / 11/20/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	11/20/2001 / 11/20/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	11/20/2001 / 11/20/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010932**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 19-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	11/20/2001 / 11/20/2001
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	11/20/2001 / 11/20/2001
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	11/20/2001 / 11/20/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	11/20/2001 / 11/20/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	11/20/2001 / 11/20/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	11/20/2001 / 11/20/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	11/20/2001 / 11/20/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	11/20/2001 / 11/20/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	11/20/2001 / 11/20/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	11/20/2001 / 11/20/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	11/20/2001 / 11/20/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	11/20/2001 / 11/20/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	11/20/2001 / 11/20/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	11/20/2001 / 11/20/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	11/20/2001 / 11/20/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	11/20/2001 / 11/20/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	11/20/2001 / 11/20/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	11/20/2001 / 11/20/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	11/20/2001 / 11/20/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	11/20/2001 / 11/20/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	11/20/2001 / 11/20/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	11/20/2001 / 11/20/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010932**
DATE REPORTED:	10-Dec-01
DATE RECEIVED:	19-Nov-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 12/10/01

James Chang, Ph.D. , Lab Director

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010932**
DATE REPORTED: 03-Dec-01
DATE RECEIVED: 19-Nov-01
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: 26584 Matrix: GW										
Client ID: **011119**								Collection: 11/19/2001	Time: 10:18	
								Sample Description: WA09R		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	11/20/2001	*999000*	
Barium - ICAP	**0.01**	**mg/l**	***J* RJ**	0.007	0.02	200.7	ez	11/21/2001	*999018*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	11/26/2001	*999032*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	11/21/2001	*999018*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Iron - ICAP	**0.11**	**mg/l**	***J* RJ**	0.081	0.26	200.7	ez	11/21/2001	*999018*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	11/21/2001	*999013*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	11/21/2001	*999005*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	11/21/2001	*999018*	
Selenium - Furnace AA	**7.3**	**ug/l**	***J* RJ**	4.8	15	270.2	jb	11/21/2001	*999010*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	11/21/2001	*999018*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	11/21/2001	*999023*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	11/21/2001	*999018*	
Sample Number: 26585 Matrix: GW										
Client ID: **Sulfuric Acid**								Collection: 11/16/2001	Time: 08:00	
								Sample Description:		
Selenium - Furnace AA	**559**	**ug/l**	**RJ**	4.8	15	270.2	jb	11/21/2001	*999010*	
Sample Number: 26586 Matrix: GW										
Client ID: **011119**								Collection: 11/19/2001	Time: 10:05	
								Sample Description: WA01P		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	jb	11/20/2001	*999000*	
Barium - ICAP	**0.13**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	11/21/2001	*999018*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	11/26/2001	*999032*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	11/21/2001	*999018*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Iron - ICAP	**1.2**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	11/21/2001	*999018*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	11/21/2001	*999013*	
Manganese - ICAP	**0.18**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	11/21/2001	*999018*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	11/21/2001	*999005*	
Nickel - ICAP	**0.02**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ez	11/21/2001	*999018*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010932**
DATE REPORTED: 03-Dec-01
DATE RECEIVED: 19-Nov-01
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
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	11/21/2001	*999010*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	11/21/2001	*999018*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	11/21/2001	*999023*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	11/21/2001	*999018*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	11/20/2001	*999106*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/26/2001	*999070*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/26/2001	*999071*	
pH (water)	**7**	**s.u.**	**#**			150.1	ogtp	11/19/2001	*998995*	
Sample Number: 26587		Matrix: GW						Collection: 11/19/2001		Time: 10:20
Client ID: **011119**								Sample Description: WA02P		
pH (water)	**9.5**	**s.u.**	**#**			150.1	ogtp	11/19/2001	*998995*	
Sample Number: 26588		Matrix: GW						Collection: 11/19/2001		Time: 10:22
Client ID: **011119**								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	11/19/2001	*998995*	
Sample Number: 26589		Matrix: GW						Collection: 11/19/2001		Time: 10:08
Client ID: **011119**								Sample Description: WA05P		
pH (water)	**6**	**s.u.**	**#**			150.1	ogtp	11/19/2001	*998995*	
Sample Number: 26593		Matrix: GW						Collection: 11/19/2001		Time: 10:14
Client ID: **011119**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	11/20/2001	*999106*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/26/2001	*999070*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/26/2001	*999071*	
pH (water)	**7.3**	**s.u.**	**#**			150.1	ogtp	11/19/2001	*998996*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010932**
DATE REPORTED:	03-Dec-01
DATE RECEIVED:	19-Nov-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

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

Approved By: [signature] **Date:** 12/3/01

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

INORGANIC REPORT

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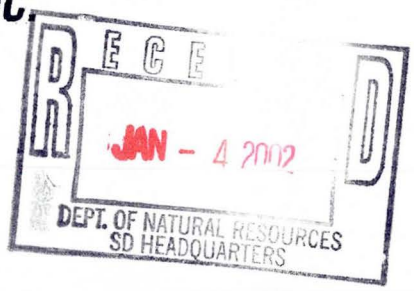

WDNR# 241340550

INVOICE NUMBER **20010956**
DATE REPORTED: 13-Dec-01
DATE RECEIVED: 29-Nov-01
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: 26651 Matrix: GW
Client ID: **011129**
Collection: 11/29/2001 Time: 08:40
Sample Description: WA09R

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	12/10/2001	*999173*	
Barium - ICAP	**0.008**	**mg/l**	***J* RJ**	0.007	0.02	200.7	ez	12/3/2001	*999098*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	12/10/2001	*999163*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	12/3/2001	*999098*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	12/3/2001	*999098*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	12/10/2001	*999164*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	12/4/2001	*999115*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	12/3/2001	*999098*	
Selenium - Furnace AA	**9.1**	**ug/l**	***J* RJ**	4.8	15	270.2	bb	12/10/2001	*999172*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	12/3/2001	*999098*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	12/11/2001	*999178*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	12/3/2001	*999098*	

Sample Number: 26652 Matrix: GW
Client ID: **011129**
Collection: 11/29/2001 Time: 07:42
Sample Description: WA04P

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	12/10/2001	*999173*	
Barium - ICAP	**0.02**	**mg/l**	***J* RJ**	0.007	0.02	200.7	ez	12/3/2001	*999098*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	12/10/2001	*999163*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	12/3/2001	*999098*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Iron - ICAP	**0.14**	**mg/l**	***J* RJ**	0.081	0.26	200.7	ez	12/3/2001	*999098*	
Lead - Furnace AA	**13**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	12/10/2001	*999164*	
Manganese - ICAP	**0.02**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	12/4/2001	*999115*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ez	12/3/2001	*999098*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	12/10/2001	*999172*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	12/3/2001	*999098*	
Thallium - Furnace AA	**<1.1**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	12/11/2001	*999178*	
Zinc - ICAP	**0.02**	**mg/l**	***J* RJ**	0.014	0.04	200.7	ez	12/3/2001	*999098*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010956
DATE REPORTED: 13-Dec-01
DATE RECEIVED: 29-Nov-01
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: 26653	Matrix: GW							Collection: 11/29/2001	Time: 07:38	
Client ID: 011129								Sample Description: WA02P		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	12/10/2001	*999173*	
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	12/3/2001	*999098*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	12/10/2001	*999163*	
Chromium, Total - ICAP	**0.009**	**mg/l**	***J*** **RJ**	0.008	0.03	200.7	ez	12/3/2001	*999098*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Iron - ICAP	**1**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	12/3/2001	*999098*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	12/10/2001	*999164*	
Manganese - ICAP	**0.15**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	12/4/2001	*999115*	
Nickel - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	12/3/2001	*999098*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	12/10/2001	*999172*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	12/3/2001	*999098*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	12/11/2001	*999178*	
Zinc - ICAP	**0.04**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	ez	12/3/2001	*999098*	
pH (water)	**9.5**	**s.u.**	**#**			150.1	bb	12/5/2001	*999135*	
Sample Number: 26654	Matrix: GW							Collection: 11/29/2001	Time: 07:40	
Client ID: 011129								Sample Description: WA03P		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	12/10/2001	*999173*	
Barium - ICAP	**0.08**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	12/3/2001	*999098*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	12/10/2001	*999163*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	12/3/2001	*999098*	
Copper- ICAP	**0.006**	**mg/l**	***J*** **RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Iron - ICAP	**0.83**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	12/3/2001	*999098*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	12/10/2001	*999164*	
Manganese - ICAP	**0.08**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	12/4/2001	*999115*	
Nickel - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	12/3/2001	*999098*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	12/10/2001	*999172*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	12/3/2001	*999098*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	12/11/2001	*999178*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010956
DATE REPORTED: 13-Dec-01
DATE RECEIVED: 29-Nov-01
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
Zinc - ICAP	**0.05**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	12/3/2001	*999098*	
pH (water)	**12**	**s.u.**	**#**			150.1	bb	12/5/2001	*999135*	
Sample Number: 26655		Matrix: GW						Collection: 11/29/2001		Time: 07:28
Client ID: **011129**								Sample Description: WA01P		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	bb	12/10/2001	*999173*	
Barium - ICAP	**0.12**	**mg/l**	**RJ**	0.007	0.02	200.7	ez	12/3/2001	*999098*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	bb	12/10/2001	*999163*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ez	12/3/2001	*999098*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Iron - ICAP	**1.2**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	12/3/2001	*999098*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	bb	12/10/2001	*999164*	
Manganese - ICAP	**0.17**	**mg/l**	**RJ**	0.006	0.02	200.7	ez	12/3/2001	*999098*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	12/4/2001	*999115*	
Nickel - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.011	0.03	200.7	ez	12/3/2001	*999098*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	bb	12/10/2001	*999172*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ez	12/3/2001	*999098*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	bb	12/11/2001	*999178*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ez	12/3/2001	*999098*	
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	11/20/2001	*999106*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	12/4/2001	*999119*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	12/4/2001	*999120*	
pH (water)	**7**	**s.u.**	**#**			150.1	bb	12/5/2001	*999135*	
Sample Number: 26656		Matrix: GW						Collection: 11/29/2001		Time: 07:25
Client ID: **011129**								Sample Description: WA05P		
pH (water)	**7.3**	**s.u.**	**#**			150.1	bb	12/5/2001	*999135*	
Sample Number: 26660		Matrix: GW						Collection: 11/29/2001		Time: 07:36
Client ID: **011129**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	11/20/2001	*999106*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	12/4/2001	*999119*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	12/4/2001	*999120*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010956**
DATE REPORTED: 13-Dec-01
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	**7.4**	**s.u.**	**#**			150.1	bb	12/5/2001	*999135*	

Approved By: _____ **Date:** 12/13/01

James Chang, Ph.D. , Lab Director

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

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

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

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010956**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 29-Nov-01
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: 26655
Client ID: 011129
QC Prep Batch Number: 999155
Collection: 11/29/2001 Time: 07:28
Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	QH	12/5/2001 / 12/5/2001
1,1,1-Trichloroethane	76	ug/l	1.6	4.9	5		8260	QH	12/5/2001 / 12/5/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	QH	12/5/2001 / 12/5/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethane	3.0	ug/l	1.6	5.1	5	J	8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	QH	12/5/2001 / 12/5/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	QH	12/5/2001 / 12/5/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	QH	12/5/2001 / 12/5/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	QH	12/5/2001 / 12/5/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	QH	12/5/2001 / 12/5/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	QH	12/5/2001 / 12/5/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	QH	12/5/2001 / 12/5/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	QH	12/5/2001 / 12/5/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	QH	12/5/2001 / 12/5/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	QH	12/5/2001 / 12/5/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	QH	12/5/2001 / 12/5/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	QH	12/5/2001 / 12/5/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	QH	12/5/2001 / 12/5/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	QH	12/5/2001 / 12/5/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	QH	12/5/2001 / 12/5/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	QH	12/5/2001 / 12/5/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	QH	12/5/2001 / 12/5/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	QH	12/5/2001 / 12/5/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	QH	12/5/2001 / 12/5/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	QH	12/5/2001 / 12/5/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	QH	12/5/2001 / 12/5/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	QH	12/5/2001 / 12/5/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	QH	12/5/2001 / 12/5/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	QH	12/5/2001 / 12/5/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	QH	12/5/2001 / 12/5/2001
cis-1,2-Dichloroethene	24	ug/l	1.4	4.3	5		8260	QH	12/5/2001 / 12/5/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	QH	12/5/2001 / 12/5/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	QH	12/5/2001 / 12/5/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010956**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 29-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	QH	12/5/2001 / 12/5/2001
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	QH	12/5/2001 / 12/5/2001
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	QH	12/5/2001 / 12/5/2001
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	QH	12/5/2001 / 12/5/2001
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	QH	12/5/2001 / 12/5/2001
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	QH	12/5/2001 / 12/5/2001
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	QH	12/5/2001 / 12/5/2001
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	QH	12/5/2001 / 12/5/2001
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	QH	12/5/2001 / 12/5/2001
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	QH	12/5/2001 / 12/5/2001
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	QH	12/5/2001 / 12/5/2001
Naphthalene	<3.8	ug/l	3.8	12	5		8260	QH	12/5/2001 / 12/5/2001
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	QH	12/5/2001 / 12/5/2001
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	QH	12/5/2001 / 12/5/2001
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	QH	12/5/2001 / 12/5/2001
Styrene	<1.3	ug/l	1.3	4.0	5		8260	QH	12/5/2001 / 12/5/2001
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	QH	12/5/2001 / 12/5/2001
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	QH	12/5/2001 / 12/5/2001
Toluene	<1.5	ug/l	1.5	4.6	5		8260	QH	12/5/2001 / 12/5/2001
trans-1,2-Dichloroethene	<1.3	ug/l	1.3	4.0	5		8260	QH	12/5/2001 / 12/5/2001
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	QH	12/5/2001 / 12/5/2001
Trichloroethene	271	ug/l	1.7	5.4	5		8260	QH	12/5/2001 / 12/5/2001
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	QH	12/5/2001 / 12/5/2001
Vinyl chloride	<1.0	ug/l	1.0	3.2	5		8260	QH	12/5/2001 / 12/5/2001

Sample Number: 26657
Client ID: 011129

QC Prep Batch Number: 999155

Collection: 11/29/2001 Time: 07:32
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	QH	12/5/2001 / 12/5/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	QH	12/5/2001 / 12/5/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001

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ORGANIC REPORT

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DATE REPORTED: 10-Dec-01
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
APL Environmental
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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	12/5/2001 / 12/5/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	QH	12/5/2001 / 12/5/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	QH	12/5/2001 / 12/5/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	QH	12/5/2001 / 12/5/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	QH	12/5/2001 / 12/5/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	QH	12/5/2001 / 12/5/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	QH	12/5/2001 / 12/5/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	QH	12/5/2001 / 12/5/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	QH	12/5/2001 / 12/5/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	QH	12/5/2001 / 12/5/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	QH	12/5/2001 / 12/5/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	12/5/2001 / 12/5/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	QH	12/5/2001 / 12/5/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	QH	12/5/2001 / 12/5/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	QH	12/5/2001 / 12/5/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	12/5/2001 / 12/5/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	QH	12/5/2001 / 12/5/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	QH	12/5/2001 / 12/5/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	12/5/2001 / 12/5/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010956**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 29-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
Trichloroethene	0.59	ug/l	0.34	1.1	1	J	8260	QH	12/5/2001 / 12/5/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	12/5/2001 / 12/5/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	12/5/2001 / 12/5/2001

Sample Number: 26658 QC Prep Batch Number: 999155 Collection: 11/29/2001 Time: 07:34
Client ID: 011129 Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	QH	12/5/2001 / 12/5/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	QH	12/5/2001 / 12/5/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	12/5/2001 / 12/5/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	QH	12/5/2001 / 12/5/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	QH	12/5/2001 / 12/5/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	QH	12/5/2001 / 12/5/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	QH	12/5/2001 / 12/5/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	QH	12/5/2001 / 12/5/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	QH	12/5/2001 / 12/5/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	QH	12/5/2001 / 12/5/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010956
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 29-Nov-01
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	12/5/2001 / 12/5/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	QH	12/5/2001 / 12/5/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	QH	12/5/2001 / 12/5/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	QH	12/5/2001 / 12/5/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	QH	12/5/2001 / 12/5/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	QH	12/5/2001 / 12/5/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	QH	12/5/2001 / 12/5/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	QH	12/5/2001 / 12/5/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	QH	12/5/2001 / 12/5/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	QH	12/5/2001 / 12/5/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	QH	12/5/2001 / 12/5/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	QH	12/5/2001 / 12/5/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	QH	12/5/2001 / 12/5/2001

Sample Number: 26659
Client ID: TRIP BLANK

QC Prep Batch Number: 999155

Collection: 11/29/2001 Time: 07:42
Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	QH	12/5/2001 / 12/5/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010956**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 29-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	QH	12/5/2001 / 12/5/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	12/5/2001 / 12/5/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	QH	12/5/2001 / 12/5/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	QH	12/5/2001 / 12/5/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	QH	12/5/2001 / 12/5/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	QH	12/5/2001 / 12/5/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	QH	12/5/2001 / 12/5/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	QH	12/5/2001 / 12/5/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	QH	12/5/2001 / 12/5/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	QH	12/5/2001 / 12/5/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	QH	12/5/2001 / 12/5/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	QH	12/5/2001 / 12/5/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	12/5/2001 / 12/5/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	QH	12/5/2001 / 12/5/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	QH	12/5/2001 / 12/5/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	QH	12/5/2001 / 12/5/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	12/5/2001 / 12/5/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	QH	12/5/2001 / 12/5/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	QH	12/5/2001 / 12/5/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010956**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 29-Nov-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	12/5/2001 / 12/5/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	12/5/2001 / 12/5/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	12/5/2001 / 12/5/2001

Sample Number: 26660
Client ID: 011129

QC Prep Batch Number: 999155

Collection: 11/29/2001 Time: 07:36
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	QH	12/5/2001 / 12/5/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	QH	12/5/2001 / 12/5/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	QH	12/5/2001 / 12/5/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	QH	12/5/2001 / 12/5/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	12/5/2001 / 12/5/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	QH	12/5/2001 / 12/5/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	QH	12/5/2001 / 12/5/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	QH	12/5/2001 / 12/5/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	QH	12/5/2001 / 12/5/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	QH	12/5/2001 / 12/5/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	QH	12/5/2001 / 12/5/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010956**
DATE REPORTED: 10-Dec-01
DATE RECEIVED: 29-Nov-01
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	12/5/2001 / 12/5/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	QH	12/5/2001 / 12/5/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	QH	12/5/2001 / 12/5/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	QH	12/5/2001 / 12/5/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	QH	12/5/2001 / 12/5/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	QH	12/5/2001 / 12/5/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	QH	12/5/2001 / 12/5/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	QH	12/5/2001 / 12/5/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	QH	12/5/2001 / 12/5/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	QH	12/5/2001 / 12/5/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	QH	12/5/2001 / 12/5/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	QH	12/5/2001 / 12/5/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	QH	12/5/2001 / 12/5/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	QH	12/5/2001 / 12/5/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	QH	12/5/2001 / 12/5/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	QH	12/5/2001 / 12/5/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	QH	12/5/2001 / 12/5/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	QH	12/5/2001 / 12/5/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	QH	12/5/2001 / 12/5/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	QH	12/5/2001 / 12/5/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	QH	12/5/2001 / 12/5/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	QH	12/5/2001 / 12/5/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	QH	12/5/2001 / 12/5/2001

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SAMPLE TEMP (C):	Rec On Ice
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PROJECT NAME:	OGTP

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

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

Approved By: _____ **Date:** 12/10/01

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.