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

November 15, 2001

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for October, 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.

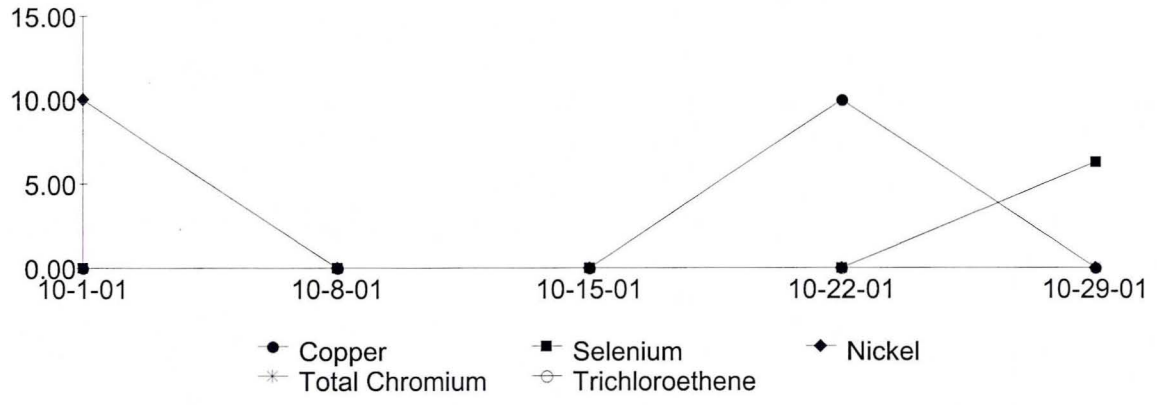
1.3 Effluent Monitoring

Weekly monitoring was conducted on October 1, 8, 15, 22, and 29. The weekly samples for October were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in October 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 October, 2001, showed no exceedences of the WDNR effluent discharge permit. .

3.0 Treatment Plant Shut Down

The Treatment Plant was shut down one time for a total of 1.00 hour in October, 2001. The shut down was due to clean RMT-301 and FT-311. Table 1 shows the summary of the plant down times for the month of October, 2001.

Table 1 - Plant Down Time Summary

Date(s)	Shut Down	Reason
10-17-01	1	Shut Down to Clean RMT-301 & FT-311
TOTAL	1	

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

On October 16, 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. Total down time was 1 hour. APL Inc., WDNR, and USACE were notified.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 5 times during the month of October, 2001. It was filled and emptied on October 9, 16, 18, 19, and 31. The dewatered sludge is sampled 1 time during 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 9 filter press loads of dewatered sludge in the hopper at the end of October, 2001.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on October 1, 8, 15, 22, 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 October, 2001, the plant was shut down one time for a total of 1 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 November 15, 2001.

The Filter Press was filled and emptied 5 times during the month of October, 2001. A new hopper was set up on September 10. The hopper had 9 Filter Press fillings in it at the end of October, 2001.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-01-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.0/6.9	11.7	N/A	N/A	7.5	Monitor	
TSS	<1/1.1	NT	NT	NT	4	Monitor	mg/l
Arsenic	<5.6/<5.6	NT	NT	NT	<5.6	5	
Barium	110/120	NT	NT	NT	<7	400	
Cadmium	<0.4/<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4/<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2/<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8/<8	NT	NT	NT	<8	10	
Copper	<6/<6	NT	NT	NT	<6	Monitor	
Iron	950/910	NT	NT	NT	<81	Monitor	
Lead	<1.5/<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160/170	NT	NT	NT	<6	Monitor	
Mercury	<0.2/<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20/30	NT	NT	NT	10	20	
Selenium	<4.8/<4.8	NT	NT	NT	<4.8	10	
Silver	<4/<4	NT	NT	NT	<4	10	
Thallium	<1.3/<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14/<14	NT	NT	NT	<14	Monitor	
Cyanide	20/20	NT	NT	NT	<6	40	
Cyanide Amenable	<6/<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	11/12	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8/<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7/<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	32/29	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	8.5/10	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3/<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5/<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6/62	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5/<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	108/88	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2/<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	390/303	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1/<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7/<2.7	NT	<0.53	<0.53	<0.53	124	
COD	14/11	NT	NT	NT	9.7	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.6	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.54	Monitor	mg/l

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

Influent Samples were duplicated for in house QA check.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-08-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.6	N/A	N/A	7.5	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	<7	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	920	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	170	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	11	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	30	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	102	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	422	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-15-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11.6	N/A	N/A	7.4	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	190	NT	NT	NT	20	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	760	NT	NT	NT	<81	Monitor	
Lead	1.5	NT	NT	NT	<1.5	1.5	
Manganese	170	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	11	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	31	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	104	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	405	NT	0.47	<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-22-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.6	N/A	N/A	7.2	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	20	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	10	NT	NT	NT	10	Monitor	
Iron	850	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	12	NT	<0.34	<0.34	<0.34	85	
1,2-Dichloroethane	<7.8	NT	<0.39	<0.39	<0.39	0.5	
1,1-Dichloroethene	8.8	NT	<0.36	<0.36	<0.36	0.7	
1,2-Dichloroethene Cis	26	NT	<1	<1	<1	7	
1,2-Dichloroethene Trans	10	NT	<0.23	<0.23	<0.23	20	
Ethylbenzene	<2.4	NT	<0.12	<0.12	<0.12	140	
Methylene Chloride	<7	NT	<0.35	<0.35	<0.35	0.5	
Tetrachloroethene	<5	NT	<0.25	<0.25	<0.25	0.5	
Toluene	<4.4	NT	<0.22	<0.22	<0.22	68	
1,1,1-Trichloroethane	110	NT	<0.29	<0.29	<0.29	40	
1,1,2-Trichloroethane	<11	NT	<0.56	<0.56	<0.56	0.5	
TCE	310	NT	1	<0.36	<0.36	0.5	
Vinyl Chloride	<4.6	NT	<0.23	<0.23	<0.23	0.2	
Xylene Total	<10	NT	<0.52	<0.52	<0.52	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

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

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	10-29-01	
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11.6	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	10	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	10	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1200	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	130	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	20	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	6.3	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	10	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	14	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<0.35	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	8.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	29	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<0.25	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<0.25	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<0.3	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	2.9	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<0.29	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	105	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<0.44	NT	<0.44	<0.44	<0.44	0.5	
TCE	358	NT	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<0.2	NT	<0.2	<0.2	<0.2	0.2	
Xylene Total	<0.53	NT	<0.53	<0.53	<0.53	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

NT = Not Tested.
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ug/l = Micrograms per Liter.
mg/l = Milligrams per Liter.

FLOW FROM EXTRACTION WELLS

YEAR: 2001				
MONTH: OCT. DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	3,492,437.00	33,892.00	0.034	
2	3,526,329.00	29,056.00	0.029	
3	3,555,385.00	30,465.00	0.030	
4	3,585,850.00	39,250.00	0.039	
5	3,625,100.00	22,799.00	0.023	
6	3,647,899.00	36,296.00	0.036	
7	3,684,195.00	43,867.00	0.044	
8	3,728,062.00	31,551.00	0.032	
9	3,759,613.00	26,424.00	0.026	
10	3,786,037.00	26,196.00	0.026	
11	3,812,233.00	9,453.00	0.009	SHUT DOWN
12	3,821,686.00	25,368.00	0.025	SHUT DOWN
13	3,847,054.00	36,076.00	0.036	
14	3,883,130.00	49,004.00	0.049	
15	3,932,134.00	36,188.00	0.036	
16	3,968,322.00	36,206.00	0.036	
17	4,004,528.00	36,411.00	0.036	
18	4,040,939.00	35,408.00	0.035	
19	4,076,347.00	22,381.00	0.022	
20	4,098,728.00	36,829.00	0.037	
21	4,135,557.00	38,217.00	0.038	
22	4,173,774.00	44,232.00	0.044	
23	4,218,006.00	35,915.00	0.036	
24	4,253,921.00	35,408.00	0.035	
25	4,289,329.00	35,365.00	0.035	
26	4,324,694.00	22,896.00	0.023	
27	4,347,590.00	36,528.00	0.037	
28	4,384,118.00	45,575.00	0.046	
29	4,429,693.00	33,029.00	0.033	
30	4,462,722.00	33,468.00	0.033	
31	4,496,190.00	31,869.00	0.032	
November 01	4,528,059.00			
		TOTAL	1.032	
		AVERAGE	0.033	

FLOW FROM EQT-100

YEAR: 2001				
MONTH: OCT. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	2,733,857.00	45,286.00	0.045	
2	2,779,143.00	42,274.00	0.042	
3	2,821,417.00	41,254.00	0.041	
4	2,862,671.00	49,518.00	0.050	
5	2,912,189.00	30,663.00	0.031	
6	2,942,852.00	47,390.00	0.047	
7	2,990,242.00	57,503.00	0.058	
8	3,047,745.00	45,802.00	0.046	
9	3,093,547.00	43,816.00	0.044	
10	3,137,363.00	42,160.00	0.042	
11	3,179,523.00	47,141.00	0.047	
12	3,226,664.00	33,406.00	0.033	
13	3,260,070.00	46,988.00	0.047	
14	3,307,058.00	57,105.00	0.057	
15	3,364,163.00	46,595.00	0.047	
16	3,410,758.00	45,368.00	0.045	
17	3,456,126.00	49,468.00	0.049	SHUT DOWN
18	3,505,594.00	47,229.00	0.047	
19	3,552,823.00	28,467.00	0.028	
20	3,581,290.00	46,958.00	0.047	
21	3,628,248.00	48,533.00	0.049	
22	3,676,781.00	55,700.00	0.056	
23	3,732,481.00	44,956.00	0.045	
24	3,777,437.00	44,981.00	0.045	
25	3,822,418.00	45,559.00	0.046	
26	3,867,977.00	29,195.00	0.029	
27	3,897,172.00	45,952.00	0.046	
28	3,943,124.00	57,838.00	0.058	
29	4,000,962.00	43,497.00	0.043	
30	4,044,459.00	43,093.00	0.043	
31	4,087,552.00	41,168.00	0.041	
November 01	4,128,720.00			
		TOTAL	1.394	
		AVERAGE	0.045	

FLOW FROM EXTRACTION WELLS

YEAR: 2001				
MONTH: OCT. DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	7,915,650.90	34,014.50	0.034	
2	7,949,665.40	29,127.40	0.029	
3	7,978,792.80	30,269.00	0.030	
4	8,009,061.80	39,648.50	0.040	
5	8,048,710.30	22,692.50	0.023	
6	8,071,402.80	34,613.30	0.035	
7	8,106,016.10	46,079.50	0.046	
8	8,152,095.60	31,569.10	0.032	
9	8,183,664.70	26,548.50	0.027	
10	8,210,213.20	26,244.20	0.026	
11	8,236,457.40	9,497.80	0.009	SHUT DOWN
12	8,245,955.20	25,013.90	0.025	SHUT DOWN
13	8,270,969.10	36,487.40	0.036	
14	8,307,456.50	49,302.50	0.049	
15	8,356,759.00	36,262.70	0.036	
16	8,393,021.70	36,307.40	0.036	
17	8,429,329.10	36,547.10	0.037	
18	8,465,876.20	35,527.70	0.036	
19	8,501,403.90	22,666.80	0.023	
20	8,524,070.70	37,193.80	0.037	
21	8,561,264.50	37,863.90	0.038	
22	8,599,128.40	44,383.90	0.044	
23	8,643,512.30	36,012.40	0.036	
24	8,679,524.70	35,490.60	0.035	
25	8,715,015.30	35,536.60	0.036	
26	8,750,551.90	22,573.00	0.023	
27	8,773,124.90	36,191.70	0.036	
28	8,809,316.60	46,544.50	0.047	
29	8,855,861.10	33,125.10	0.033	
30	8,888,986.20	33,541.50	0.034	
31	8,922,527.70	31,975.60	0.032	
November 01	8,954,503.30			
		TOTAL	1.040	
		AVERAGE	0.034	

FLOW FROM EQT-100

YEAR: 2001				
MONTH: OCT. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	3,007,125.90	45,425.20	0.045	
2	3,052,551.10	42,362.80	0.042	
3	3,094,913.90	40,880.00	0.041	
4	3,135,793.90	50,099.00	0.050	
5	3,185,892.90	30,390.80	0.030	
6	3,216,283.70	45,085.20	0.045	
7	3,261,368.90	60,436.70	0.060	
8	3,321,805.60	45,823.00	0.046	
9	3,367,628.60	43,994.20	0.044	
10	3,411,622.80	42,217.30	0.042	
11	3,453,840.10	47,229.00	0.047	
12	3,501,069.10	32,798.10	0.033	
13	3,533,867.20	47,486.30	0.047	
14	3,581,353.50	57,513.90	0.058	
15	3,638,867.40	46,653.40	0.047	
16	3,685,520.80	45,535.30	0.046	
17	3,731,056.10	49,531.70	0.050	SHUT DOWN
18	3,780,587.80	47,294.70	0.047	
19	3,827,882.50	28,780.30	0.029	
20	3,856,662.80	47,322.80	0.047	
21	3,903,985.60	48,153.50	0.048	
22	3,952,139.10	55,842.00	0.056	
23	4,007,981.10	44,997.00	0.045	
24	4,052,978.10	45,073.80	0.045	
25	4,098,051.90	45,704.20	0.046	
26	4,143,756.10	28,442.40	0.028	
27	4,172,198.50	45,621.40	0.046	
28	4,217,819.90	59,283.40	0.059	
29	4,277,103.30	43,583.50	0.044	
30	4,320,686.80	43,154.30	0.043	
31	4,363,841.10	41,291.80	0.041	
November 01	4,405,132.90			
		TOTAL	1.397	
		AVERAGE	0.045	

EFFLUENT FLOW FROM PLANT

YEAR: 2001				
MONTH: OCT. DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	6,090,605.00	36,692.00	0.037	
2	6,127,297.00	32,185.00	0.032	
3	6,159,482.00	32,266.00	0.032	
4	6,191,748.00	41,428.00	0.041	
5	6,233,176.00	24,320.00	0.024	
6	6,257,496.00	38,570.00	0.039	
7	6,296,066.00	45,402.00	0.045	
8	6,341,468.00	35,945.00	0.036	
9	6,377,413.00	34,635.00	0.035	
10	6,412,048.00	31,545.00	0.032	
11	6,443,593.00	10,534.00	0.011	SHUT DOWN
12	6,454,127.00	28,633.00	0.029	
13	6,482,760.00	38,845.00	0.039	
14	6,521,605.00	46,675.00	0.047	
15	6,568,280.00	37,243.00	0.037	
16	6,605,523.00	34,588.00	0.035	
17	6,640,111.00	39,629.00	0.040	SHUT DOWN
18	6,679,740.00	39,747.00	0.040	
19	6,719,487.00	24,416.00	0.024	
20	6,743,903.00	38,736.00	0.039	
21	6,782,639.00	35,777.00	0.036	
22	6,818,416.00	47,986.00	0.048	
23	6,866,402.00	35,371.00	0.035	
24	6,901,773.00	36,469.00	0.036	
25	6,938,242.00	36,777.00	0.037	
26	6,975,019.00	25,635.00	0.026	
27	7,000,654.00	38,871.00	0.039	
28	7,039,525.00	45,653.00	0.046	
29	7,085,178.00	35,672.00	0.036	
30	7,120,850.00	34,378.00	0.034	
31	7,155,228.00	34,470.00	0.034	
November 01	7,189,698.00			
		TOTAL	1.101	
		AVERAGE	0.036	

PRECIPITATION

YEAR: 2001	
MONTH: OCT. DAY	RAINFALL (INCHES)
1	0.00
2	0.00
3	0.00
4	0.00
5	0.00
6	0.00
7	0.00
8	0.00
9	0.00
10	0.05
11	0.60
12	0.15
13	0.00
14	0.56
15	0.10
16	0.00
17	0.00
18	0.00
19	0.00
20	0.00
21	0.00
22	0.00
23	1.65
24	0.15
25	0.35
26	0.00
27	0.00
28	0.00
29	0.00
30	0.00
31	0.10
TOTAL	3.71

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL			FEET		
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
January 5, 2001	6.74	5.85	4.52	4.41	DRY	COVERED
February 5, 2001	6.63	DRY	4.02	5.00	DRY	COVERED
March 1 & 5, 2001	5.40	DRY	3.02	3.49	DRY	COVERED
April 02, 2001	5.41	DRY	3.37	3.69	DRY	COVERED
May 1, 2001	6.12	DRY	3.58	4.09	DRY	COVERED
June 6-8, 2001	5.68	DRY	3.83	3.78	DRY	COVERED
July 03, 2001	6.19	DRY	3.9	4.36	DRY	COVERED
July 17-18, 2001	7.29	DRY	DRY	5.47	DRY	COVERED
August 03, 2001	7.32	DRY	DRY	5.11	DRY	COVERED
September 4-6, 2001	7.41	DRY	DRY	5.38	DRY	COVERED
October 18, 2001	6.92	DRY	3.78	4.82	DRY	COVERED

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
January 5, 2001	4.86	3.69	5.89	5.41	10.65	3.03
February 5, 2001	4.65	3.54	5.55	4.52	10.47	2.45
March 1, 7, & 8, 2001	3.81	2.74	4.84	2.51	9.26	2.82
April 02, 2001	3.95	2.86	4.87	2.72	9.57	2.55
May 1, 2001	4.31	3.22	5.01	2.92	9.8	2.92
June 6-7, 2001	3.92	2.87	4.89	2.78	9.59	2.61
July 03, 2001	3.98	3.58	5.3	3.19	10.04	3.15
July 17-20, 2001	5.53	4.53	6.11	4.29	11.49	3.66
August 03, 2001	5.39	4.81	6.01	4.54	11.08	3.41
September 4-7, 2001	5.21	4.93	6.19	4.69	11.61	3.71
October 18, 2001	4.91	4.08	5.83	4.21	10.71	3.2

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW01DP	MW01SP	MW02SP	MW03DP	MW04DP	MW04SP
July 11, 2001	5.65	6.56	DRY	8.86	NO KEY	NO KEY
July 17-20, 2001	6.26	7.08	DRY	9.29	8.59	8.29
August 03, 2001	15.94	6.66	DRY	9.46	9.27	8.31
September 4 & 7, 2001	7.69	6.77	DRY	9.59	9.89	8.41
October 18, 2001	7.18	6.33	DRY	8.31	9.14	8.05

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW07P	MW08P	MW09SP			
July 11, 2001	NO KEY	NO KEY	6.64			
July 17 & 20, 2001	5.96	5.06	7.17			
August 03, 2001	5.19	4.98	6.69			
September 6-7, 2001	5.33	4.80	6.81			
October 18, 2001	4.73	4.37	6.28			

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20010778**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 01-Oct-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 26034 Matrix: GW
Client ID: **011001**
Collection: 10/1/2001 Time: 11:25
Sample Description: WA09R

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jb	10/2/2001	*998502*
Barium - ICAP	**<0.007**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	10/6/2001	*998529*
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	10/2/2001	*998517*
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	10/6/2001	*998529*
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	10/6/2001	*998529*
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	10/6/2001	*998529*
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	10/2/2001	*998515*
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	10/6/2001	*998529*
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	10/20/2001	*998530*
Nickel - ICAP	**0.01**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	bb	10/6/2001	*998529*
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	10/3/2001	*998523*
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	bb	10/6/2001	*998529*
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	10/4/2001	*998527*
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	bb	10/6/2001	*998529*
COD. Total	**9.7**	**mg/l**	*J*	**RJ**	3.4	11	410.4-CT	ta	10/8/2001	*998591*
Nitrate + Nitrite Nitrogen	**0.6**	**mg/l**		**RJ**	0.03	0.10	353.3	ta	10/3/2001	*998594*
Nitrogen, Ammonia	**0.54**	**mg/l**	*J*	**RJ**	1.25	4.0	350.1	ta	10/10/2001	*998593*
Phosphorus, Total	**<0.1**	**mg/l**		**RJ**	0.1	0.32	365.2	ta	10/5/2001	*998595*
Solids, Total Suspended	**4**	**mg/l**			1	3.2	SM 2540D	jb	10/3/2001	*998519*

Sample Number: 26035 Matrix: GW
Client ID: **011001**
Collection: 10/1/2001 Time: 11:34
Sample Description: WA01P

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#
Arsenic - Furnace AA	**<5.6**	**ug/l**		**RJ**	5.6	18	206.2	jb	10/2/2001	*998502*
Barium - ICAP	**0.11**	**mg/l**		**RJ**	0.007	0.02	200.7	bb	10/6/2001	*998529*
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	10/2/2001	*998517*
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	bb	10/6/2001	*998529*
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	10/6/2001	*998529*
Iron - ICAP	**0.95**	**mg/l**		**RJ**	0.081	0.26	200.7	bb	10/6/2001	*998529*
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	10/2/2001	*998515*
Manganese - ICAP	**0.16**	**mg/l**		**RJ**	0.006	0.02	200.7	bb	10/6/2001	*998529*
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	bb	10/20/2001	*998530*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010778**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 01-Oct-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
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	10/6/2001	998529	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	10/3/2001	998523	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	10/6/2001	998529	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/4/2001	998527	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	10/6/2001	998529	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	10/3/2001	998579	
COD. Total	14	mg/l	RJ	3.4	11	410.4-CT	ta	10/8/2001	998591	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	10/5/2001	998537	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	bb	10/5/2001	998533	
pH (water)	7	s.u.	#			150.1	ogtp	10/1/2001	998499	
Solids, Total Suspended	<1	mg/l		1	3.2	SM 2540D	jb	10/3/2001	998519	

Sample Number: 26036 Matrix: GW
Client ID: **011001**
Collection: 10/1/2001 Time: 11:34
Sample Description: WA01Q

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	10/2/2001	998502	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	bb	10/6/2001	998529	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	10/2/2001	998517	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	10/6/2001	998529	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	10/6/2001	998529	
Iron - ICAP	0.91	mg/l	RJ	0.081	0.26	200.7	bb	10/6/2001	998529	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	10/2/2001	998515	
Manganese - ICAP	0.17	mg/l	RJ	0.006	0.02	200.7	bb	10/6/2001	998529	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	10/20/2001	998530	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	10/6/2001	998529	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	10/3/2001	998523	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	10/6/2001	998529	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/4/2001	998527	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	10/6/2001	998529	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	10/3/2001	998579	
COD. Total	11	mg/l	RJ	3.4	11	410.4-CT	ta	10/8/2001	998591	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	10/5/2001	998537	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	bb	10/5/2001	998533	
pH (water)	6.9	s.u.	#			150.1	ogtp	10/1/2001	998499	
Solids, Total Suspended	1.1	mg/l	J	1	3.2	SM 2540D	jb	10/3/2001	998519	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010778**
DATE REPORTED: 15-Oct-01
DATE RECEIVED: 01-Oct-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: 26037 Matrix: GW										
Client ID: **011001**								Collection: 10/1/2001		Time: 11:30
								Sample Description: WA02P		
pH (water)	**9.8**	**s.u.**	**#**			150.1	ogtp	10/1/2001	*998499*	
Sample Number: 26038 Matrix: GW										
Client ID: **011001**								Collection: 10/1/2001		Time: 11:32
								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	10/1/2001	*998499*	
Sample Number: 26039 Matrix: GW										
Client ID: **011001**								Collection: 10/1/2001		Time: 11:15
								Sample Description: WA05P		
pH (water)	**7.6**	**s.u.**	**#**			150.1	ogtp	10/1/2001	*998499*	
Sample Number: 26043 Matrix: GW										
Client ID: **011001**								Collection: 10/1/2001		Time: 11:21
								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	10/3/2001	*998579*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/5/2001	*998537*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/5/2001	*998533*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	ogtp	10/1/2001	*998499*	

Approved By: _____ **Date:** 10/15/01

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.

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8222 W. Calumet Road
Milwaukee , WI 53223

Sample Number: 26035
Client ID: 011001

QC Prep Batch Number: 998580

Collection: 10/1/2001 Time: 11:34
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	10/8/2001 / 10/8/2001
1,1,1-Trichloroethane	108	ug/l	1.6	4.9	5		8260	qh	10/8/2001 / 10/8/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	10/8/2001 / 10/8/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethane	11	ug/l	1.6	5.1	5		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	10/8/2001 / 10/8/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	10/8/2001 / 10/8/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/8/2001 / 10/8/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	10/8/2001 / 10/8/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/8/2001 / 10/8/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	10/8/2001 / 10/8/2001
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	10/8/2001 / 10/8/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/8/2001 / 10/8/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	10/8/2001 / 10/8/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	10/8/2001 / 10/8/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/8/2001 / 10/8/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/8/2001 / 10/8/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	10/8/2001 / 10/8/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	10/8/2001 / 10/8/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/8/2001 / 10/8/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/8/2001 / 10/8/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	10/8/2001 / 10/8/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	10/8/2001 / 10/8/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/8/2001 / 10/8/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	10/8/2001 / 10/8/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/8/2001 / 10/8/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/8/2001 / 10/8/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	10/8/2001 / 10/8/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	10/8/2001 / 10/8/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	10/8/2001 / 10/8/2001
cis-1,2-Dichloroethene	32	ug/l	1.4	4.3	5		8260	qh	10/8/2001 / 10/8/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	10/8/2001 / 10/8/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	10/8/2001 / 10/8/2001

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Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	10/8/2001 / 10/8/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	10/8/2001 / 10/8/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/8/2001 / 10/8/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	10/8/2001 / 10/8/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/8/2001 / 10/8/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	10/8/2001 / 10/8/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	10/8/2001 / 10/8/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	10/8/2001 / 10/8/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/8/2001 / 10/8/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	10/8/2001 / 10/8/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	10/8/2001 / 10/8/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	10/8/2001 / 10/8/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/8/2001 / 10/8/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/8/2001 / 10/8/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	10/8/2001 / 10/8/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	10/8/2001 / 10/8/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	10/8/2001 / 10/8/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	10/8/2001 / 10/8/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	10/8/2001 / 10/8/2001
trans-1,2-Dichloroethene	8.5	ug/l	1.3	4.0	5		8260	qh	10/8/2001 / 10/8/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	10/8/2001 / 10/8/2001
Trichloroethene	390	ug/l	1.7	5.4	5		8260	qh	10/8/2001 / 10/8/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	10/8/2001 / 10/8/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	10/8/2001 / 10/8/2001

Sample Number: 26036
Client ID: 011001

QC Prep Batch Number: 998581

Collection: 10/1/2001 Time: 11:34
Sample Description: WA01Q

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	/ 0/10/200
1,1,1-Trichloroethane	88	ug/l	1.6	4.9	5		8260	qh	/ 0/10/200
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 0/10/200
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 0/10/200
1,1-Dichloroethane	12	ug/l	1.6	5.1	5		8260	qh	/ 0/10/200
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 0/10/200
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 0/10/200
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 0/10/200
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 0/10/200
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 0/10/200
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/10/200
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 0/10/200
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 0/10/200
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 0/10/200
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 0/10/200
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 0/10/200

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SAMPLE TEMP (C): Rec On Ice
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Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 0/10/200
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 0/10/200
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 0/10/200
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 0/10/200
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 0/10/200
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 0/10/200
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 0/10/200
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/10/200
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 0/10/200
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 0/10/200
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 0/10/200
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 0/10/200
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 0/10/200
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 0/10/200
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 0/10/200
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 0/10/200
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 0/10/200
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 0/10/200
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 0/10/200
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 0/10/200
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 0/10/200
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 0/10/200
cis-1,2-Dichloroethene	29	ug/l	1.4	4.3	5		8260	qh	/ 0/10/200
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 0/10/200
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 0/10/200
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 0/10/200
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 0/10/200
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 0/10/200
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 0/10/200
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/10/200
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 0/10/200
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 0/10/200
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 0/10/200
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/10/200
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 0/10/200
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 0/10/200
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 0/10/200
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 0/10/200
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 0/10/200
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 0/10/200
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 0/10/200
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/10/200
Tetrachloroethene	62	ug/l	1.6	4.9	5		8260	qh	/ 0/10/200
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 0/10/200
trans-1,2-Dichloroethene	10	ug/l	1.3	4.0	5		8260	qh	/ 0/10/200

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Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 1.3	**ug/l**	1.3	4.1	5		8260	qh	/ 0/10/200
Trichloroethene	303	**ug/l**	1.7	5.4	5		8260	qh	/ 0/10/200
Trichlorofluoromethane	< 1.2	**ug/l**	1.2	3.8	5		8260	qh	/ 0/10/200
Vinyl chloride	< 1.0	**ug/l**	1.0	3.2	5		8260	qh	/ 0/10/200

Sample Number: 26040 QC Prep Batch Number: 998580 Collection: 10/1/2001 Time: 11:17
Client ID: 011001 Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	**ug/l**	0.22	0.70	1		8260	qh	10/8/2001 / 10/8/2001
1,1,1-Trichloroethane	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,1,2-Trichloroethane	< 0.44	**ug/l**	0.44	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloropropene	< 0.43	**ug/l**	0.43	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,2,3-Trichlorobenzene	< 0.50	**ug/l**	0.50	1.6	1		8260	qh	10/8/2001 / 10/8/2001
1,2,3-Trichloropropane	< 0.51	**ug/l**	0.51	1.6	1		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trichlorobenzene	< 0.47	**ug/l**	0.47	1.5	1		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trimethylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dibromoethane	< 0.46	**ug/l**	0.46	1.5	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichlorobenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloroethane	< 0.35	**ug/l**	0.35	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloropropane	< 0.32	**ug/l**	0.32	1.0	1		8260	qh	10/8/2001 / 10/8/2001
1,3,5-Trimethylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichloropropane	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
1,4-Dichlorobenzene	< 0.36	**ug/l**	0.36	1.1	1		8260	qh	10/8/2001 / 10/8/2001
12Dibromo-3-chloropropan	< 0.33	**ug/l**	0.33	1.0	1		8260	qh	10/8/2001 / 10/8/2001
2,2-Dichloropropane	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
2-Butanone (MEK)	< 1.4	**ug/l**	1.4	4.4	1		8260	qh	10/8/2001 / 10/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	**ug/l**	0.70	2.2	1		8260	qh	10/8/2001 / 10/8/2001
2-Chlorotoluene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
4-Chlorotoluene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
4-Methyl-2-Pentanone	< 0.80	**ug/l**	0.80	2.5	1		8260	qh	10/8/2001 / 10/8/2001
Acetone	< 1.6	**ug/l**	1.6	4.9	1		8260	qh	10/8/2001 / 10/8/2001
Benzene	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Bromobenzene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
Bromochloromethane	< 0.37	**ug/l**	0.37	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromodichloromethane	< 0.38	**ug/l**	0.38	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromoform	< 0.39	**ug/l**	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromomethane	< 0.65	**ug/l**	0.65	2.1	1		8260	qh	10/8/2001 / 10/8/2001
Carbon tetrachloride	< 0.27	**ug/l**	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Chlorobenzene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
Chloroethane	< 0.64	**ug/l**	0.64	2.0	1		8260	qh	10/8/2001 / 10/8/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010778**
DATE REPORTED: 12-Oct-01
DATE RECEIVED: 01-Oct-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	10/8/2001 / 10/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/8/2001 / 10/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/8/2001 / 10/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 / 10/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/8/2001 / 10/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 / 10/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/8/2001 / 10/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 / 10/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/8/2001 / 10/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/8/2001 / 10/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/8/2001 / 10/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 / 10/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/8/2001 / 10/8/2001

Sample Number: 26041
Client ID: 011001

QC Prep Batch Number: 998580

Collection: 10/1/2001 Time: 11:19
Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/8/2001 / 10/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/8/2001 / 10/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010778**
DATE REPORTED: 12-Oct-01
DATE RECEIVED: 01-Oct-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	10/8/2001 / 10/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 / 10/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 / 10/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 / 10/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/8/2001 / 10/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/8/2001 / 10/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/8/2001 / 10/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/8/2001 / 10/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/8/2001 / 10/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/8/2001 / 10/8/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 / 10/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/8/2001 / 10/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/8/2001 / 10/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 / 10/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/8/2001 / 10/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 / 10/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/8/2001 / 10/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 / 10/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/8/2001 / 10/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/8/2001 / 10/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010778**
DATE REPORTED: 12-Oct-01
DATE RECEIVED: 01-Oct-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	10/8/2001 / 10/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/8/2001 / 10/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 / 10/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/8/2001 / 10/8/2001

Sample Number: 26042 QC Prep Batch Number: 998580 Collection: 10/1/2001 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/8/2001 / 10/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/8/2001 / 10/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 / 10/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 / 10/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 / 10/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/8/2001 / 10/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/8/2001 / 10/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/8/2001 / 10/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/8/2001 / 10/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/8/2001 / 10/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010778**
DATE REPORTED: 12-Oct-01
DATE RECEIVED: 01-Oct-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	10/8/2001 / 10/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/8/2001 / 10/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/8/2001 / 10/8/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 / 10/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/8/2001 / 10/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/8/2001 / 10/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 / 10/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/8/2001 / 10/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 / 10/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/8/2001 / 10/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 / 10/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/8/2001 / 10/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/8/2001 / 10/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/8/2001 / 10/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 / 10/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/8/2001 / 10/8/2001

Sample Number: 26043
Client ID: 011001

QC Prep Batch Number: 998580

Collection: 10/1/2001 Time: 11:21
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/8/2001 / 10/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 / 10/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010778**
DATE REPORTED: 12-Oct-01
DATE RECEIVED: 01-Oct-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	qh	10/8/2001 / 10/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/8/2001 / 10/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/8/2001 / 10/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 / 10/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 / 10/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 / 10/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/8/2001 / 10/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/8/2001 / 10/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/8/2001 / 10/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/8/2001 / 10/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/8/2001 / 10/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/8/2001 / 10/8/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 / 10/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/8/2001 / 10/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/8/2001 / 10/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 / 10/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 / 10/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/8/2001 / 10/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 / 10/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/8/2001 / 10/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 / 10/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 / 10/8/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010778**
DATE REPORTED: 12-Oct-01
DATE RECEIVED: 01-Oct-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	qh	10/8/2001 / 10/8/2001
Naphthalene	< 0.75	**ug/l**	0.75	2.4	1		8260	qh	10/8/2001 / 10/8/2001
o-xylene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
p-Isopropyltoluene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
sec-Butylbenzene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
Styrene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
tert-Butylbenzene	< 0.30	**ug/l**	0.30	0.95	1		8260	qh	10/8/2001 / 10/8/2001
Tetrachloroethene	< 0.31	**ug/l**	0.31	0.99	1		8260	qh	10/8/2001 / 10/8/2001
Toluene	< 0.29	**ug/l**	0.29	0.92	1		8260	qh	10/8/2001 / 10/8/2001
trans-1,2-Dichloroethene	< 0.25	**ug/l**	0.25	0.80	1		8260	qh	10/8/2001 / 10/8/2001
trans-1,3-Dichloropropene	< 0.26	**ug/l**	0.26	0.83	1		8260	qh	10/8/2001 / 10/8/2001
Trichloroethene	< 0.34	**ug/l**	0.34	1.1	1		8260	qh	10/8/2001 / 10/8/2001
Trichlorofluoromethane	< 0.24	**ug/l**	0.24	0.76	1		8260	qh	10/8/2001 / 10/8/2001
Vinyl chloride	< 0.20	**ug/l**	0.20	0.64	1		8260	qh	10/8/2001 / 10/8/2001

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

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

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

APL INC.

INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20010798**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 08-Oct-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 26119 Matrix: GW
Client ID: **011008**
Collection: 10/8/2001 Time: 09:12
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	10/9/2001	*998546*	
Barium - ICAP	**<0.007**	**mg/l**		**RJ**	0.007	0.02	200.7	ez	10/17/2001	*998650*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	10/9/2001	*998548*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	ez	10/17/2001	*998650*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	10/17/2001	*998650*	
Iron - ICAP	**<0.081**	**mg/l**		**RJ**	0.081	0.26	200.7	ez	10/17/2001	*998650*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	10/9/2001	*998549*	
Manganese - ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	10/17/2001	*998650*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	ex	10/16/2001	*998651*	
Nickel - ICAP	**<0.011**	**mg/l**		**RJ**	0.011	0.03	200.7	ez	10/17/2001	*998650*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	10/10/2001	*998572*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	ez	10/17/2001	*998650*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	10/18/2001	*998659*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	ez	10/17/2001	*998650*	

Sample Number: 26120 Matrix: GW
Client ID: **011008**
Collection: 10/8/2001 Time: 09:00
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	10/9/2001	*998546*	
Barium - ICAP	**0.12**	**mg/l**		**RJ**	0.007	0.02	200.7	ez	10/17/2001	*998650*	
Cadmium - Furnace AA	**<0.4**	**ug/l**		**TTR**	0.4	1.3	213.2	jb	10/9/2001	*998548*	
Chromium, Total - ICAP	**<0.008**	**mg/l**		**RJ**	0.008	0.03	200.7	ez	10/17/2001	*998650*	
Copper- ICAP	**<0.006**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	10/17/2001	*998650*	
Iron - ICAP	**0.92**	**mg/l**		**RJ**	0.081	0.26	200.7	ez	10/17/2001	*998650*	
Lead - Furnace AA	**<1.5**	**ug/l**		**RJ**	1.5	4.8	239.2	jb	10/9/2001	*998549*	
Manganese - ICAP	**0.17**	**mg/l**		**RJ**	0.006	0.02	200.7	ez	10/17/2001	*998650*	
Mercury CV	**<0.0002**	**mg/l**		**RJ**	0.0002	0.0006	245.1	ex	10/16/2001	*998651*	
Nickel - ICAP	**0.03**	**mg/l**	*J*	**RJ**	0.011	0.03	200.7	ez	10/17/2001	*998650*	
Selenium - Furnace AA	**<4.8**	**ug/l**		**RJ**	4.8	15	270.2	jb	10/10/2001	*998572*	
Silver - ICAP	**<0.004**	**mg/l**		**RJ**	0.004	0.01	200.7	ez	10/17/2001	*998650*	
Thallium - Furnace AA	**<1.3**	**ug/l**		**RJ**	1.3	4.1	279.2	jb	10/18/2001	*998659*	
Zinc - ICAP	**<0.014**	**mg/l**		**RJ**	0.014	0.04	200.7	ez	10/17/2001	*998650*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010798**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 08-Oct-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	10/3/2001	*998579*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/12/2001	*998601*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/12/2001	*998599*	
pH (water)	**6.9**	**s.u.**	**#**			150.1	ogtp	10/8/2001	*998547*	
Sample Number: 26121		Matrix: GW						Collection: 10/8/2001		Time: 09:04
Client ID: **011008**								Sample Description: WA02P		
pH (water)	**9.6**	**s.u.**	**#**			150.1	ogtp	10/8/2001	*998547*	
Sample Number: 26122		Matrix: GW						Collection: 10/8/2001		Time: 09:06
Client ID: **011008**								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	10/8/2001	*998547*	
Sample Number: 26123		Matrix: GW						Collection: 10/8/2001		Time: 08:45
Client ID: **011008**								Sample Description: WA05P		
pH (water)	**7.6**	**s.u.**	**#**			150.1	ogtp	10/8/2001	*998547*	
Sample Number: 26126		Matrix: GW						Collection: 10/8/2001		Time: 08:47
Client ID: **011008**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	10/3/2001	*998579*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/12/2001	*998601*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/12/2001	*998599*	
pH (water)	**7.5**	**s.u.**	**#**			150.1	ogtp	10/8/2001	*998547*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010798**
DATE REPORTED:	22-Oct-01
DATE RECEIVED:	08-Oct-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:** 10/22/01

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.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010798**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 08-Oct-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: 26120
Client ID: 011008

QC Prep Batch Number: 998672

Collection: 10/8/2001 Time: 09:00
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	/ 0/17/200
1,1,1-Trichloroethane	102	ug/l	1.6	4.9	5		8260	qh	/ 0/17/200
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 0/17/200
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	/ 0/17/200
1,1-Dichloroethane	11	ug/l	1.6	5.1	5		8260	qh	/ 0/17/200
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 0/17/200
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	/ 0/17/200
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	/ 0/17/200
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	/ 0/17/200
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	/ 0/17/200
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/17/200
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 0/17/200
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 0/17/200
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	/ 0/17/200
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	/ 0/17/200
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 0/17/200
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 0/17/200
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 0/17/200
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 0/17/200
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 0/17/200
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 0/17/200
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	/ 0/17/200
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	/ 0/17/200
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/17/200
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 0/17/200
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	/ 0/17/200
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	/ 0/17/200
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 0/17/200
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 0/17/200
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 0/17/200
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	/ 0/17/200
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 0/17/200
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	/ 0/17/200
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 0/17/200
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 0/17/200
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	/ 0/17/200
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 0/17/200
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	/ 0/17/200
cis-1,2-Dichloroethene	30	ug/l	1.4	4.3	5		8260	qh	/ 0/17/200
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	/ 0/17/200
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	/ 0/17/200

APL INC.
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DATE REPORTED: 22-Oct-01
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Dr. James Chang
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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	/ 0/17/200
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	/ 0/17/200
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 0/17/200
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	/ 0/17/200
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/17/200
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	/ 0/17/200
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	/ 0/17/200
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	/ 0/17/200
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/17/200
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	/ 0/17/200
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	/ 0/17/200
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	/ 0/17/200
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 0/17/200
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 0/17/200
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	/ 0/17/200
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 0/17/200
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	/ 0/17/200
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	/ 0/17/200
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	/ 0/17/200
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	/ 0/17/200
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	/ 0/17/200
Trichloroethene	422	ug/l	1.7	5.4	5		8260	qh	/ 0/17/200
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	/ 0/17/200
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	/ 0/17/200

Sample Number: 26124
Client ID: 011008

QC Prep Batch Number: 998580

Collection: 10/8/2001 Time: 09:08
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/8/2001 /
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 /
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 /
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 /
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/8/2001 /
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/8/2001 /
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/8/2001 /
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/8/2001 /
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 /
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/8/2001 /
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 /
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /

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

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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	10/8/2001 /
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 /
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 /
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/8/2001 /
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/8/2001 /
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/8/2001 /
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/8/2001 /
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 /
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/8/2001 /
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/8/2001 /
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/8/2001 /
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 /
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/8/2001 /
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 /
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/8/2001 /
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 /
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/8/2001 /
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 /
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/8/2001 /
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 /
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/8/2001 /
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/8/2001 /
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/8/2001 /
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /

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PROJECT ID:
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Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 /
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/8/2001 /

Sample Number: 26125 QC Prep Batch Number: 998580 Collection: 10/8/2001 Time: 09:10
Client ID: 011008 Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/8/2001 /
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 /
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 /
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 /
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/8/2001 /
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/8/2001 /
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/8/2001 /
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/8/2001 /
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 /
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/8/2001 /
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 /
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 /
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 /
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/8/2001 /
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/8/2001 /
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/8/2001 /
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/8/2001 /
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 /
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/8/2001 /
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/8/2001 /
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/8/2001 /

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

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Milwaukee , WI 53223

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 /
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/8/2001 /
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 /
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/8/2001 /
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 /
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/8/2001 /
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 /
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/8/2001 /
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 /
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/8/2001 /
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/8/2001 /
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/8/2001 /
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 /
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/8/2001 /

Sample Number: 26126
Client ID: 011008

QC Prep Batch Number: 998580

Collection: 10/8/2001 Time: 08:47
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/8/2001 /
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 /
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 /
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 /
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/8/2001 /
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/8/2001 /
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/8/2001 /
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/8/2001 /
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /

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

WDNR# 241340550

BATCH NUMBER: **20010798**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 08-Oct-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	10/8/2001 /
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/8/2001 /
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 /
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 /
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 /
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/8/2001 /
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/8/2001 /
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/8/2001 /
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/8/2001 /
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 /
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/8/2001 /
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/8/2001 /
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/8/2001 /
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 /
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/8/2001 /
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 /
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/8/2001 /
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 /
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/8/2001 /
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 /
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/8/2001 /
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 /
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/8/2001 /
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/8/2001 /
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010798**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 08-Oct-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	10/8/2001 /
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/8/2001 /
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 /
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/8/2001 /

Sample Number: 26127 QC Prep Batch Number: 998580 Collection: 10/8/2001 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	10/8/2001 /
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 /
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	10/8/2001 /
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 /
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	10/8/2001 /
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	10/8/2001 /
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	10/8/2001 /
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	10/8/2001 /
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 /
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	10/8/2001 /
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	10/8/2001 /
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 /
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 /
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	10/8/2001 /
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	10/8/2001 /
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	10/8/2001 /
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	10/8/2001 /
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 /
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	10/8/2001 /

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

WDNR# 241340550

BATCH NUMBER: **20010798**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 08-Oct-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	10/8/2001 /
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	10/8/2001 /
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	10/8/2001 /
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 /
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	10/8/2001 /
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	10/8/2001 /
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	10/8/2001 /
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	10/8/2001 /
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	10/8/2001 /
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	10/8/2001 /
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	10/8/2001 /
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	10/8/2001 /
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	10/8/2001 /
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	10/8/2001 /
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	10/8/2001 /
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	10/8/2001 /
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	10/8/2001 /
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	10/8/2001 /
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	10/8/2001 /
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	10/8/2001 /
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	10/8/2001 /
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	10/8/2001 /
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	10/8/2001 /
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	10/8/2001 /

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010798**
DATE REPORTED:	22-Oct-01
DATE RECEIVED:	08-Oct-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:** 10/22/01

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

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

APL INC.

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

WDNR# 241340550

INVOICE NUMBER **20010820**
DATE REPORTED: 29-Oct-01
DATE RECEIVED: 15-Oct-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Sample Number: 26229 Matrix: GW
Client ID: **011015**
Collection: 10/15/2001 Time: 09:45
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	10/16/2001	*998626*	
Barium - ICAP	**0.02**	**mg/l**	***J* RJ**	0.007	0.02	200.7	ex	10/21/2001	*998720*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	10/16/2001	*998633*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ex	10/21/2001	*998720*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ex	10/21/2001	*998720*	
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ex	10/21/2001	*998720*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	10/17/2001	*998646*	
Manganese - ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ex	10/21/2001	*998720*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	ex	10/16/2001	*998651*	
Nickel - ICAP	**<0.011**	**mg/l**	**RJ**	0.011	0.03	200.7	ex	10/21/2001	*998720*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	10/16/2001	*998637*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ex	10/21/2001	*998720*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	10/18/2001	*998659*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ex	10/21/2001	*998720*	

Sample Number: 26230 Matrix: GW
Client ID: **011015**
Collection: 10/15/2001 Time: 09:52
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	10/16/2001	*998626*	
Barium - ICAP	**0.19**	**mg/l**	**RJ**	0.007	0.02	200.7	ex	10/21/2001	*998720*	
Cadmium - Furnace AA	**<0.4**	**ug/l**	**TTR**	0.4	1.3	213.2	jb	10/16/2001	*998633*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	ex	10/21/2001	*998720*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	ex	10/21/2001	*998720*	
Iron - ICAP	**0.76**	**mg/l**	**RJ**	0.081	0.26	200.7	ex	10/21/2001	*998720*	
Lead - Furnace AA	**1.5**	**ug/l**	***J* RJ**	1.5	4.8	239.2	jb	10/17/2001	*998646*	
Manganese - ICAP	**0.17**	**mg/l**	**RJ**	0.006	0.02	200.7	ex	10/21/2001	*998720*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	bb	10/26/2001	*998726*	
Nickel - ICAP	**0.03**	**mg/l**	***J* RJ**	0.011	0.03	200.7	ex	10/21/2001	*998720*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	jb	10/16/2001	*998637*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	ex	10/21/2001	*998720*	
Thallium - Furnace AA	**<1.3**	**ug/l**	**RJ**	1.3	4.1	279.2	jb	10/18/2001	*998659*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	ex	10/21/2001	*998720*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010820**
DATE REPORTED: 29-Oct-01
DATE RECEIVED: 15-Oct-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	10/16/2001	*998728*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/26/2001	*998730*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/26/2001	*998729*	
pH (water)	**7**	**s.u.**	**#**			150.1	ogtp	10/15/2001	*998616*	
Sample Number: 26231 Matrix: GW										
Client ID: **011015**								Collection: 10/15/2001		Time: 09:48
								Sample Description: WA02P		
pH (water)	**9.4**	**s.u.**	**#**			150.1	ogtp	10/15/2001	*998616*	
Sample Number: 26232 Matrix: GW										
Client ID: **011015**								Collection: 10/15/2001		Time: 09:50
								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	10/15/2001	*998616*	
Sample Number: 26233 Matrix: GW										
Client ID: **011015**								Collection: 10/15/2001		Time: 09:35
								Sample Description: WA05P		
pH (water)	**7.1**	**s.u.**	**#**			150.1	ogtp	10/15/2001	*998616*	
Sample Number: 26236 Matrix: GW										
Client ID: **011015**								Collection: 10/15/2001		Time: 09:41
								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	10/16/2001	*998728*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/26/2001	*998730*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/26/2001	*998729*	
pH (water)	**7.4**	**s.u.**	**#**			150.1	ogtp	10/15/2001	*998616*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010820**
DATE REPORTED:	29-Oct-01
DATE RECEIVED:	15-Oct-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:** 10/29/01

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: **20010820**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 15-Oct-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: 26230
Client ID: 011015

QC Prep Batch Number: 998673

Collection: 10/15/2001 Time: 09:52
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	zzz	/ 0/18/200
1,1,1-Trichloroethane	104	ug/l	1.6	4.9	5		8260	zzz	/ 0/18/200
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	zzz	/ 0/18/200
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	zzz	/ 0/18/200
1,1-Dichloroethane	11	ug/l	1.6	5.1	5		8260	zzz	/ 0/18/200
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	/ 0/18/200
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	zzz	/ 0/18/200
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	zzz	/ 0/18/200
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	zzz	/ 0/18/200
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	zzz	/ 0/18/200
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	zzz	/ 0/18/200
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	zzz	/ 0/18/200
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	/ 0/18/200
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	zzz	/ 0/18/200
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	zzz	/ 0/18/200
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	/ 0/18/200
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	/ 0/18/200
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	zzz	/ 0/18/200
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	zzz	/ 0/18/200
12Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	zzz	/ 0/18/200
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	zzz	/ 0/18/200
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	zzz	/ 0/18/200
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	zzz	/ 0/18/200
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	zzz	/ 0/18/200
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	/ 0/18/200
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	zzz	/ 0/18/200
Acetone	< 7.8	ug/l	7.8	25	5		8260	zzz	/ 0/18/200
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	zzz	/ 0/18/200
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	zzz	/ 0/18/200
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	zzz	/ 0/18/200
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	zzz	/ 0/18/200
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	zzz	/ 0/18/200
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	zzz	/ 0/18/200
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	zzz	/ 0/18/200
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	/ 0/18/200
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	zzz	/ 0/18/200
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	zzz	/ 0/18/200
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	zzz	/ 0/18/200
cis-1,2-Dichloroethene	31	ug/l	1.4	4.3	5		8260	zzz	/ 0/18/200
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	zzz	/ 0/18/200
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	zzz	/ 0/18/200

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010820**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 15-Oct-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	zzz	/ 0/18/200
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	zzz	/ 0/18/200
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	/ 0/18/200
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	zzz	/ 0/18/200
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	zzz	/ 0/18/200
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	zzz	/ 0/18/200
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	zzz	/ 0/18/200
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	zzz	/ 0/18/200
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	zzz	/ 0/18/200
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	zzz	/ 0/18/200
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	zzz	/ 0/18/200
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	zzz	/ 0/18/200
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	/ 0/18/200
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	zzz	/ 0/18/200
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	/ 0/18/200
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	/ 0/18/200
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	zzz	/ 0/18/200
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	zzz	/ 0/18/200
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	zzz	/ 0/18/200
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	/ 0/18/200
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	/ 0/18/200
Trichloroethene	405	ug/l	1.7	5.4	5		8260	zzz	/ 0/18/200
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	zzz	/ 0/18/200
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	zzz	/ 0/18/200

Sample Number: 26234
Client ID: 011015

QC Prep Batch Number: 998673

Collection: 10/15/2001 Time: 09:37
Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 0/18/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 0/18/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 0/18/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 0/18/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 0/18/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 0/18/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 0/18/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 0/18/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 0/18/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 0/18/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 0/18/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010820**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 15-Oct-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	/ 0/18/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 0/18/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 0/18/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 0/18/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 0/18/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 0/18/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 0/18/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 0/18/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 0/18/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 0/18/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 0/18/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 0/18/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 0/18/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 0/18/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 0/18/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 0/18/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 0/18/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 0/18/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 0/18/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 0/18/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 0/18/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 0/18/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 0/18/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010820**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 15-Oct-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	/ 0/18/200
Trichloroethene	0.47	ug/l	0.34	1.1	1	J	8260	qh	/ 0/18/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 0/18/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 0/18/200

Sample Number: 26235 QC Prep Batch Number: 998673 Collection: 10/15/2001 Time: 09:39
Client ID: 011015 Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 0/18/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 0/18/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 0/18/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 0/18/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 0/18/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 0/18/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 0/18/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 0/18/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 0/18/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 0/18/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 0/18/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 0/18/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 0/18/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 0/18/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 0/18/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 0/18/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 0/18/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 0/18/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 0/18/200
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 0/18/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 0/18/200

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

WDNR# 241340550

BATCH NUMBER: **20010820**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 15-Oct-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	/ 0/18/200
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	/ 0/18/200
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	/ 0/18/200
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	/ 0/18/200
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	/ 0/18/200
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	/ 0/18/200
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	/ 0/18/200
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	/ 0/18/200
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	/ 0/18/200
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	/ 0/18/200
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	/ 0/18/200
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	/ 0/18/200
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	/ 0/18/200
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	/ 0/18/200

Sample Number: 26236
Client ID: 011015

QC Prep Batch Number: 998673

Collection: 10/15/2001 Time: 09:41
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	/ 0/18/200
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	/ 0/18/200
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	/ 0/18/200
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	/ 0/18/200
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	/ 0/18/200
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	/ 0/18/200
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	/ 0/18/200
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	/ 0/18/200
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200

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

WDNR# 241340550

BATCH NUMBER: **20010820**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 15-Oct-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	/ 0/18/200
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	/ 0/18/200
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	/ 0/18/200
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	/ 0/18/200
12Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	/ 0/18/200
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	/ 0/18/200
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	/ 0/18/200
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	/ 0/18/200
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	/ 0/18/200
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	/ 0/18/200
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	/ 0/18/200
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	/ 0/18/200
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	/ 0/18/200
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	/ 0/18/200
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	/ 0/18/200
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	/ 0/18/200
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	/ 0/18/200
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	/ 0/18/200
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	/ 0/18/200
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	/ 0/18/200
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	/ 0/18/200
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	/ 0/18/200
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	/ 0/18/200
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	/ 0/18/200
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200

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

WDNR# 241340550

BATCH NUMBER: **20010820**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 15-Oct-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	/ 0/18/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 0/18/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 0/18/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 0/18/200

Sample Number: 26237 QC Prep Batch Number: 998673 Collection: 10/15/2001 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 0/18/200
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 0/18/200
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 0/18/200
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 0/18/200
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 0/18/200
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 0/18/200
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 0/18/200
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 0/18/200
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 0/18/200
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 0/18/200
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 0/18/200
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 0/18/200
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 0/18/200
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 0/18/200
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 0/18/200
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 0/18/200
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 0/18/200
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 0/18/200
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 0/18/200

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

WDNR# 241340550

BATCH NUMBER: **20010820**
DATE REPORTED: 22-Oct-01
DATE RECEIVED: 15-Oct-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	/ 0/18/200
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 0/18/200
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 0/18/200
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 0/18/200
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 0/18/200
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 0/18/200
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 0/18/200
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 0/18/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 0/18/200
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 0/18/200
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 0/18/200
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 0/18/200
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 0/18/200
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 0/18/200
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 0/18/200
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 0/18/200
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 0/18/200
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 0/18/200
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 0/18/200
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 0/18/200
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 0/18/200
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 0/18/200
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 0/18/200
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 0/18/200

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

WDNR# 241340550

BATCH NUMBER:	**20010820**
DATE REPORTED:	22-Oct-01
DATE RECEIVED:	15-Oct-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:** 10/22/01

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

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

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010849**
DATE REPORTED: 02-Nov-01
DATE RECEIVED: 22-Oct-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: 26325
Client ID: 011022

QC Prep Batch Number: 998788

Collection: 10/22/2001 Time: 09:28
Sample Description: WA01P

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	110	ug/l	5.8	18	20		8260	us	/ 0/31/200
1,1,2,2-Tetrachloroethane	< 20	ug/l	20	64	20		8260	us	/ 0/31/200
1,1,2-Trichloroethane	< 11	ug/l	11	36	20		8260	us	/ 0/31/200
1,1-Dichloroethane	12	ug/l	6.8	22	20	J	8260	us	/ 0/31/200
1,1-Dichloroethene	8.8	ug/l	7.2	23	20	J	8260	us	/ 0/31/200
1,2,3-Trichlorobenzene	< 9.0	ug/l	9.0	29	20		8260	us	/ 0/31/200
1,2,4-Trichlorobenzene	< 5.6	ug/l	5.6	18	20		8260	us	/ 0/31/200
1,2,4-Trimethylbenzene	< 4.8	ug/l	4.8	15	20		8260	us	/ 0/31/200
1,2-Dibromoethane	< 12	ug/l	12	38	20		8260	us	/ 0/31/200
1,2-Dichlorobenzene	< 5.0	ug/l	5.0	16	20		8260	us	/ 0/31/200
1,2-Dichloroethane	< 7.8	ug/l	7.8	25	20		8260	us	/ 0/31/200
1,2-Dichloropropane	< 5.4	ug/l	5.4	17	20		8260	us	/ 0/31/200
1,3,5-Trimethylbenzene	< 5.2	ug/l	5.2	17	20		8260	us	/ 0/31/200
1,3-Dichlorobenzene	< 5.0	ug/l	5.0	16	20		8260	us	/ 0/31/200
1,3-Dichloropropane	< 9.6	ug/l	9.6	31	20		8260	us	/ 0/31/200
1,4-Dichlorobenzene	< 5.8	ug/l	5.8	18	20		8260	us	/ 0/31/200
12Dibromo-3-chloropropan	< 30	ug/l	30	95	20		8260	us	/ 0/31/200
2,2-Dichloropropane	< 9.4	ug/l	9.4	30	20		8260	us	/ 0/31/200
2-Chlorotoluene	< 5.6	ug/l	5.6	18	20		8260	us	/ 0/31/200
4-Chlorotoluene	< 6.2	ug/l	6.2	20	20		8260	us	/ 0/31/200
Benzene	< 5.0	ug/l	5.0	16	20		8260	us	/ 0/31/200
Bromobenzene	< 4.4	ug/l	4.4	14	20		8260	us	/ 0/31/200
Bromodichloromethane	< 4.2	ug/l	4.2	13	20		8260	us	/ 0/31/200
Carbon tetrachloride	< 6.6	ug/l	6.6	21	20		8260	us	/ 0/31/200
Chlorobenzene	< 4.2	ug/l	4.2	13	20		8260	us	/ 0/31/200
Chloroethane	< 4.8	ug/l	4.8	15	20		8260	us	/ 0/31/200
Chloroform	< 6.4	ug/l	6.4	20	20		8260	us	/ 0/31/200
Chloromethane	< 4.8	ug/l	4.8	15	20		8260	us	/ 0/31/200
cis-1,2-Dichloroethene	26	ug/l	20	64	20	J	8260	us	/ 0/31/200
Dibromochloromethane	< 5.2	ug/l	5.2	17	20		8260	us	/ 0/31/200
Dichlorodifluoromethane	< 5.4	ug/l	5.4	17	20		8260	us	/ 0/31/200
Ethylbenzene	< 2.4	ug/l	2.4	7.6	20		8260	us	/ 0/31/200
Hexachlorobutadiene	< 12	ug/l	12	37	20		8260	us	/ 0/31/200
Isopropyl Ether	< 5.2	ug/l	5.2	17	20		8260	us	/ 0/31/200
Isopropylbenzene	< 3.0	ug/l	3.0	9.5	20		8260	us	/ 0/31/200
m&p-xylene	< 10	ug/l	10	33	20		8260	us	/ 0/31/200
Methyl-t-butyl ether	< 11	ug/l	11	34	20		8260	us	/ 0/31/200
Methylene chloride	< 7.0	ug/l	7.0	22	20		8260	us	/ 0/31/200
n-Butylbenzene	< 5.8	ug/l	5.8	18	20		8260	us	/ 0/31/200
n-Propylbenzene	< 3.6	ug/l	3.6	11	20		8260	us	/ 0/31/200
Naphthalene	< 14	ug/l	14	43	20		8260	us	/ 0/31/200

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010849**
DATE REPORTED: 02-Nov-01
DATE RECEIVED: 22-Oct-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
o-xylene	< 4.4	ug/l	4.4	14	20		8260	us	/ 0/31/200
p-Isopropyltoluene	< 4.0	ug/l	4.0	13	20		8260	us	/ 0/31/200
sec-Butylbenzene	< 4.4	ug/l	4.4	14	20		8260	us	/ 0/31/200
tert-Butylbenzene	< 3.2	ug/l	3.2	10	20		8260	us	/ 0/31/200
Tetrachloroethene	< 5.0	ug/l	5.0	16	20		8260	us	/ 0/31/200
Toluene	< 4.4	ug/l	4.4	14	20		8260	us	/ 0/31/200
trans-1,2-Dichloroethene	10	ug/l	4.6	15	20	J	8260	us	/ 0/31/200
Trichloroethene	310	ug/l	7.2	23	20		8260	us	/ 0/31/200
Trichlorofluoromethane	< 4.6	ug/l	4.6	15	20		8260	us	/ 0/31/200
Vinyl chloride	< 4.6	ug/l	4.6	15	20		8260	us	/ 0/31/200

Sample Number: 26329
Client ID: 011022

QC Prep Batch Number: 998788

Collection: 10/22/2001 Time: 09:17
Sample Description: WA07P

1,1,1-Trichloroethane	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
1,1,2,2-Tetrachloroethane	< 1.0	ug/l	1.0	3.2	1		8260	us	/ 0/31/200
1,1,2-Trichloroethane	< 0.56	ug/l	0.56	1.8	1		8260	us	/ 0/31/200
1,1-Dichloroethane	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 0/31/200
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 0/31/200
1,2,3-Trichlorobenzene	< 0.45	ug/l	0.45	1.4	1		8260	us	/ 0/31/200
1,2,4-Trichlorobenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 0/31/200
1,2,4-Trimethylbenzene	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
1,2-Dibromoethane	< 0.60	ug/l	0.60	1.9	1		8260	us	/ 0/31/200
1,2-Dichlorobenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 0/31/200
1,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 0/31/200
1,3,5-Trimethylbenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
1,3-Dichlorobenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
1,3-Dichloropropane	< 0.48	ug/l	0.48	1.5	1		8260	us	/ 0/31/200
1,4-Dichlorobenzene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
12Dibromo-3-chloropropan	< 1.5	ug/l	1.5	4.8	1		8260	us	/ 0/31/200
2,2-Dichloropropane	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 0/31/200
2-Chlorotoluene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 0/31/200
4-Chlorotoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 0/31/200
Benzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
Bromobenzene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
Bromodichloromethane	< 0.21	ug/l	0.21	0.67	1		8260	us	/ 0/31/200
Carbon tetrachloride	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 0/31/200
Chlorobenzene	< 0.21	ug/l	0.21	0.67	1		8260	us	/ 0/31/200
Chloroethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
Chloroform	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 0/31/200
Chloromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
cis-1,2-Dichloroethene	< 1.0	ug/l	1.0	3.2	1		8260	us	/ 0/31/200
Dibromochloromethane	0.27	ug/l	0.26	0.83	1	J	8260	us	/ 0/31/200

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010849**
DATE REPORTED: 02-Nov-01
DATE RECEIVED: 22-Oct-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
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 0/31/200
Ethylbenzene	< 0.12	ug/l	0.12	0.38	1		8260	us	/ 0/31/200
Hexachlorobutadiene	< 0.58	ug/l	0.58	1.8	1		8260	us	/ 0/31/200
Isopropyl Ether	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
Isopropylbenzene	< 0.15	ug/l	0.15	0.48	1		8260	us	/ 0/31/200
m&p-xylene	< 0.52	ug/l	0.52	1.7	1		8260	us	/ 0/31/200
Methyl-t-butyl ether	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 0/31/200
Methylene chloride	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 0/31/200
n-Butylbenzene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
n-Propylbenzene	< 0.18	ug/l	0.18	0.57	1		8260	us	/ 0/31/200
Naphthalene	< 0.68	ug/l	0.68	2.2	1		8260	us	/ 0/31/200
o-xylene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
p-Isopropyltoluene	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 0/31/200
sec-Butylbenzene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
tert-Butylbenzene	< 0.16	ug/l	0.16	0.51	1		8260	us	/ 0/31/200
Tetrachloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
Toluene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
trans-1,2-Dichloroethene	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200
Trichloroethene	1.0	ug/l	0.36	1.1	1	J	8260	us	/ 0/31/200
Trichlorofluoromethane	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200
Vinyl chloride	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200

Sample Number: 26330
Client ID: 011022

QC Prep Batch Number: 998788

Collection: 10/22/2001 Time: 09:18
Sample Description: WA08P

1,1,1-Trichloroethane	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
1,1,2,2-Tetrachloroethane	< 1.0	ug/l	1.0	3.2	1		8260	us	/ 0/31/200
1,1,2-Trichloroethane	< 0.56	ug/l	0.56	1.8	1		8260	us	/ 0/31/200
1,1-Dichloroethane	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 0/31/200
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 0/31/200
1,2,3-Trichlorobenzene	< 0.45	ug/l	0.45	1.4	1		8260	us	/ 0/31/200
1,2,4-Trichlorobenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 0/31/200
1,2,4-Trimethylbenzene	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
1,2-Dibromoethane	< 0.60	ug/l	0.60	1.9	1		8260	us	/ 0/31/200
1,2-Dichlorobenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 0/31/200
1,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 0/31/200
1,3,5-Trimethylbenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
1,3-Dichlorobenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
1,3-Dichloropropane	< 0.48	ug/l	0.48	1.5	1		8260	us	/ 0/31/200
1,4-Dichlorobenzene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
12Dibromo-3-chloropropan	< 1.5	ug/l	1.5	4.8	1		8260	us	/ 0/31/200
2,2-Dichloropropane	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 0/31/200
2-Chlorotoluene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 0/31/200

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010849**
DATE REPORTED: 02-Nov-01
DATE RECEIVED: 22-Oct-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
4-Chlorotoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 0/31/200
Benzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
Bromobenzene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
Bromodichloromethane	< 0.21	ug/l	0.21	0.67	1		8260	us	/ 0/31/200
Carbon tetrachloride	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 0/31/200
Chlorobenzene	< 0.21	ug/l	0.21	0.67	1		8260	us	/ 0/31/200
Chloroethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
Chloroform	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 0/31/200
Chloromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
cis-1,2-Dichloroethene	< 1.0	ug/l	1.0	3.2	1		8260	us	/ 0/31/200
Dibromochloromethane	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 0/31/200
Ethylbenzene	< 0.12	ug/l	0.12	0.38	1		8260	us	/ 0/31/200
Hexachlorobutadiene	< 0.58	ug/l	0.58	1.8	1		8260	us	/ 0/31/200
Isopropyl Ether	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
Isopropylbenzene	< 0.15	ug/l	0.15	0.48	1		8260	us	/ 0/31/200
m&p-xylene	< 0.52	ug/l	0.52	1.7	1		8260	us	/ 0/31/200
Methyl-t-butyl ether	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 0/31/200
Methylene chloride	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 0/31/200
n-Butylbenzene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
n-Propylbenzene	< 0.18	ug/l	0.18	0.57	1		8260	us	/ 0/31/200
Naphthalene	< 0.68	ug/l	0.68	2.2	1		8260	us	/ 0/31/200
o-xylene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
p-Isopropyltoluene	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 0/31/200
sec-Butylbenzene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
tert-Butylbenzene	< 0.16	ug/l	0.16	0.51	1		8260	us	/ 0/31/200
Tetrachloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
Toluene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
trans-1,2-Dichloroethene	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200
Trichloroethene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 0/31/200
Trichlorofluoromethane	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200
Vinyl chloride	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200

Sample Number: 26331
Client ID: 011022

QC Prep Batch Number: 998788

Collection: 10/22/2001 Time: 09:20
Sample Description: WA09P

1,1,1-Trichloroethane	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
1,1,2,2-Tetrachloroethane	< 1.0	ug/l	1.0	3.2	1		8260	us	/ 0/31/200
1,1,2-Trichloroethane	< 0.56	ug/l	0.56	1.8	1		8260	us	/ 0/31/200
1,1-Dichloroethane	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 0/31/200
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 0/31/200
1,2,3-Trichlorobenzene	< 0.45	ug/l	0.45	1.4	1		8260	us	/ 0/31/200
1,2,4-Trichlorobenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 0/31/200
1,2,4-Trimethylbenzene	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200

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

WDNR# 241340550

BATCH NUMBER: **20010849**
DATE REPORTED: 02-Nov-01
DATE RECEIVED: 22-Oct-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	< 0.60	ug/l	0.60	1.9	1		8260	us	/ 0/31/200
1,2-Dichlorobenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 0/31/200
1,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 0/31/200
1,3,5-Trimethylbenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
1,3-Dichlorobenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
1,3-Dichloropropane	< 0.48	ug/l	0.48	1.5	1		8260	us	/ 0/31/200
1,4-Dichlorobenzene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
12Dibromo-3-chloropropan	< 1.5	ug/l	1.5	4.8	1		8260	us	/ 0/31/200
2,2-Dichloropropane	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 0/31/200
2-Chlorotoluene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 0/31/200
4-Chlorotoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 0/31/200
Benzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
Bromobenzene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
Bromodichloromethane	< 0.21	ug/l	0.21	0.67	1		8260	us	/ 0/31/200
Carbon tetrachloride	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 0/31/200
Chlorobenzene	< 0.21	ug/l	0.21	0.67	1		8260	us	/ 0/31/200
Chloroethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
Chloroform	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 0/31/200
Chloromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
cis-1,2-Dichloroethene	< 1.0	ug/l	1.0	3.2	1		8260	us	/ 0/31/200
Dibromochloromethane	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 0/31/200
Ethylbenzene	< 0.12	ug/l	0.12	0.38	1		8260	us	/ 0/31/200
Hexachlorobutadiene	< 0.58	ug/l	0.58	1.8	1		8260	us	/ 0/31/200
Isopropyl Ether	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
Isopropylbenzene	< 0.15	ug/l	0.15	0.48	1		8260	us	/ 0/31/200
m&p-xylene	< 0.52	ug/l	0.52	1.7	1		8260	us	/ 0/31/200
Methyl-t-butyl ether	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 0/31/200
Methylene chloride	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 0/31/200
n-Butylbenzene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
n-Propylbenzene	< 0.18	ug/l	0.18	0.57	1		8260	us	/ 0/31/200
Naphthalene	< 0.68	ug/l	0.68	2.2	1		8260	us	/ 0/31/200
o-xylene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
p-Isopropyltoluene	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 0/31/200
sec-Butylbenzene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
tert-Butylbenzene	< 0.16	ug/l	0.16	0.51	1		8260	us	/ 0/31/200
Tetrachloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
Toluene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
trans-1,2-Dichloroethene	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200
Trichloroethene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 0/31/200
Trichlorofluoromethane	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200
Vinyl chloride	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010849**
DATE REPORTED: 02-Nov-01
DATE RECEIVED: 22-Oct-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: 26332
Client ID: TRIP BLANK

QC Prep Batch Number: 998788

Collection: 10/22/2001 Time:
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
1,1,2,2-Tetrachloroethane	< 1.0	ug/l	1.0	3.2	1		8260	us	/ 0/31/200
1,1,2-Trichloroethane	< 0.56	ug/l	0.56	1.8	1		8260	us	/ 0/31/200
1,1-Dichloroethane	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 0/31/200
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 0/31/200
1,2,3-Trichlorobenzene	< 0.45	ug/l	0.45	1.4	1		8260	us	/ 0/31/200
1,2,4-Trichlorobenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 0/31/200
1,2,4-Trimethylbenzene	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
1,2-Dibromoethane	< 0.60	ug/l	0.60	1.9	1		8260	us	/ 0/31/200
1,2-Dichlorobenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 0/31/200
1,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 0/31/200
1,3,5-Trimethylbenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
1,3-Dichlorobenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
1,3-Dichloropropane	< 0.48	ug/l	0.48	1.5	1		8260	us	/ 0/31/200
1,4-Dichlorobenzene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
12Dibromo-3-chloropropan	< 1.5	ug/l	1.5	4.8	1		8260	us	/ 0/31/200
2,2-Dichloropropane	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 0/31/200
2-Chlorotoluene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 0/31/200
4-Chlorotoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 0/31/200
Benzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
Bromobenzene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
Bromodichloromethane	< 0.21	ug/l	0.21	0.67	1		8260	us	/ 0/31/200
Carbon tetrachloride	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 0/31/200
Chlorobenzene	< 0.21	ug/l	0.21	0.67	1		8260	us	/ 0/31/200
Chloroethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
Chloroform	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 0/31/200
Chloromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 0/31/200
cis-1,2-Dichloroethene	< 1.0	ug/l	1.0	3.2	1		8260	us	/ 0/31/200
Dibromochloromethane	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 0/31/200
Ethylbenzene	< 0.12	ug/l	0.12	0.38	1		8260	us	/ 0/31/200
Hexachlorobutadiene	< 0.58	ug/l	0.58	1.8	1		8260	us	/ 0/31/200
Isopropyl Ether	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 0/31/200
Isopropylbenzene	< 0.15	ug/l	0.15	0.48	1		8260	us	/ 0/31/200
m&p-xylene	< 0.52	ug/l	0.52	1.7	1		8260	us	/ 0/31/200
Methyl-t-butyl ether	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 0/31/200
Methylene chloride	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 0/31/200
n-Butylbenzene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 0/31/200
n-Propylbenzene	< 0.18	ug/l	0.18	0.57	1		8260	us	/ 0/31/200
Naphthalene	< 0.68	ug/l	0.68	2.2	1		8260	us	/ 0/31/200

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010849**
DATE REPORTED: 02-Nov-01
DATE RECEIVED: 22-Oct-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
o-xylene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
p-Isopropyltoluene	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 0/31/200
sec-Butylbenzene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
tert-Butylbenzene	< 0.16	ug/l	0.16	0.51	1		8260	us	/ 0/31/200
Tetrachloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 0/31/200
Toluene	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 0/31/200
trans-1,2-Dichloroethene	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200
Trichloroethene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 0/31/200
Trichlorofluoromethane	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200
Vinyl chloride	< 0.23	ug/l	0.23	0.73	1		8260	us	/ 0/31/200

Approved By: _____ **Date:** 11/2/01
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

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 20010849
DATE REPORTED: 06-Nov-01
DATE RECEIVED: 22-Oct-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: 26324 Matrix: GW
Client ID: **011022**
Collection: 10/22/2001 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	10/29/2001	998740	
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	bb	10/26/2001	998720	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	10/23/2001	998695	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	10/26/2001	998720	
Copper- ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	bb	10/26/2001	998720	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	10/26/2001	998720	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	10/24/2001	998686	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	10/26/2001	998720	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	10/26/2001	998726	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	10/26/2001	998720	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	10/23/2001	998693	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	10/26/2001	998720	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/24/2001	998704	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	10/26/2001	998720	

Sample Number: 26325 Matrix: GW
Client ID: **011022**
Collection: 10/22/2001 Time: 09:28
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	10/29/2001	998740	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	bb	10/26/2001	998720	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	10/23/2001	998695	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	10/26/2001	998720	
Copper- ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	bb	10/26/2001	998720	
Iron - ICAP	0.85	mg/l	RJ	0.081	0.26	200.7	bb	10/26/2001	998720	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	10/24/2001	998686	
Manganese - ICAP	0.15	mg/l	RJ	0.006	0.02	200.7	bb	10/26/2001	998720	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	10/26/2001	998726	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	10/26/2001	998720	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	10/23/2001	998693	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	10/26/2001	998720	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/24/2001	998704	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	10/26/2001	998720	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010849**
DATE REPORTED: 06-Nov-01
DATE RECEIVED: 22-Oct-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	10/26/2001	*998789*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/31/2001	*998773*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/31/2001	*998756*	
pH (water)	**6.9**	**s.u.**	**#**			150.1	jb	10/22/2001	*998692*	
Sample Number: 26326		Matrix: GW						Collection: 10/22/2001		Time: 09:33
Client ID: **011022**								Sample Description: WA02P		
pH (water)	**9.6**	**s.u.**	**#**			150.1	jb	10/22/2001	*998692*	
Sample Number: 26327		Matrix: GW						Collection: 10/22/2001		Time: 09:35
Client ID: **011022**								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**#**			150.1	jb	10/22/2001	*998692*	
Sample Number: 26328		Matrix: GW						Collection: 10/22/2001		Time: 09:15
Client ID: **011022**								Sample Description: WA05P		
pH (water)	**6.7**	**s.u.**	**#**			150.1	jb	10/22/2001	*998692*	
Sample Number: 26331		Matrix: GW						Collection: 10/22/2001		Time: 09:20
Client ID: **011022**								Sample Description: WA09P		
Chromium, Hexavalent	**<0.0042**	**mg/l**	**RJ**	0.004	0.01	SM 3500D	ta	10/26/2001	*998789*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/31/2001	*998773*	
Cyanide, Total	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	10/31/2001	*998756*	
pH (water)	**7.2**	**s.u.**	**#**			150.1	jb	10/22/2001	*998692*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010849**
DATE REPORTED:	06-Nov-01
DATE RECEIVED:	22-Oct-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:** 11/6/01

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: **20010867**
DATE REPORTED: 12-Nov-01
DATE RECEIVED: 29-Oct-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: 26371
Client ID: 011029
QC Prep Batch Number: 998891
Collection: 10/29/2001 Time: 10:22
Sample Description: WA01P

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	us	/ 11/8/2001
1,1,1-Trichloroethane	105	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1-Dichloroethane	14	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,1-Dichloroethene	8.7	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 11/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 11/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 11/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 11/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 11/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 11/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 11/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 11/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 11/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 11/8/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 11/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 11/8/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 11/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 11/8/2001
cis-1,2-Dichloroethene	29	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 11/8/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010867**
DATE REPORTED: 12-Nov-01
DATE RECEIVED: 29-Oct-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	us	/ 11/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 11/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 11/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 11/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 11/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Tetrachloroethene	2.9	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 11/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
Trichloroethene	358	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 11/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 11/8/2001

Sample Number: 26375 QC Prep Batch Number: 998891 Collection: 10/29/2001 Time: 10:39
Client ID: 011029 Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 11/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 11/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 11/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 11/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 11/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 11/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001

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

WDNR# 241340550

BATCH NUMBER: **20010867**
DATE REPORTED: 12-Nov-01
DATE RECEIVED: 29-Oct-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	/ 11/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 11/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 11/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 11/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 11/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 11/8/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 11/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 11/8/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 11/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 11/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 11/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 11/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 11/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 11/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 11/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 11/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 11/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010867**
DATE REPORTED: 12-Nov-01
DATE RECEIVED: 29-Oct-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	/ 11/8/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 11/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 11/8/2001

Sample Number: 26376
Client ID: 011029

QC Prep Batch Number: 998891

Collection: 10/29/2001 Time: 10:41
Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 11/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 11/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 11/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 11/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 11/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 11/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 11/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 11/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 11/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 11/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 11/8/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 11/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 11/8/2001

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010867**
DATE REPORTED: 12-Nov-01
DATE RECEIVED: 29-Oct-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	/ 11/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 11/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 11/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 11/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 11/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 11/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 11/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 11/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 11/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 11/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 11/8/2001

Sample Number: 26377
Client ID: 011029

QC Prep Batch Number: 998891

Collection: 10/29/2001 Time: 10:26
Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 11/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 11/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 11/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 11/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 11/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010867**
DATE REPORTED: 12-Nov-01
DATE RECEIVED: 29-Oct-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	/ 11/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 11/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 11/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 11/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 11/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 11/8/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 11/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 11/8/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 11/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 11/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 11/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 11/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 11/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 11/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 11/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 11/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010867**
DATE REPORTED: 12-Nov-01
DATE RECEIVED: 29-Oct-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	/ 11/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 11/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 11/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 11/8/2001

Sample Number: 26378 QC Prep Batch Number: 998891 Collection: 10/29/2001 Time:
Client ID: TRIP BLANK Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	us	/ 11/8/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	us	/ 11/8/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	us	/ 11/8/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	us	/ 11/8/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	us	/ 11/8/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	us	/ 11/8/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 11/8/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	us	/ 11/8/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	us	/ 11/8/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	us	/ 11/8/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	us	/ 11/8/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	us	/ 11/8/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	us	/ 11/8/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	us	/ 11/8/2001

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

WDNR# 241340550

BATCH NUMBER: **20010867**
DATE REPORTED: 12-Nov-01
DATE RECEIVED: 29-Oct-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	/ 11/8/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	us	/ 11/8/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	us	/ 11/8/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 11/8/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	us	/ 11/8/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	us	/ 11/8/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	us	/ 11/8/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	us	/ 11/8/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	us	/ 11/8/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	us	/ 11/8/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	us	/ 11/8/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	us	/ 11/8/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	us	/ 11/8/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	us	/ 11/8/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	us	/ 11/8/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	us	/ 11/8/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	us	/ 11/8/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	us	/ 11/8/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	us	/ 11/8/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	us	/ 11/8/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	us	/ 11/8/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	us	/ 11/8/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	us	/ 11/8/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	us	/ 11/8/2001

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

WDNR# 241340550

BATCH NUMBER:	**20010867**
DATE REPORTED:	12-Nov-01
DATE RECEIVED:	29-Oct-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:** 11/12/01

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

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 20010867
DATE REPORTED: 13-Nov-01
DATE RECEIVED: 29-Oct-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: 26370 Matrix: GW
Client ID: **011029**
Collection: 10/29/2001 Time: 10:30
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	10/29/2001	998740	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	enzy	11/8/2001	998865	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	10/29/2001	998743	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	enzy	11/8/2001	998865	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	enzy	11/8/2001	998865	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	enzy	11/8/2001	998865	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	10/30/2001	998749	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	enzy	11/8/2001	998865	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	11/7/2001	998828	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	enzy	11/8/2001	998865	
Selenium - Furnace AA	6.3	ug/l	J RJ	4.8	15	270.2	jb	10/30/2001	998755	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	enzy	11/8/2001	998865	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/30/2001	998754	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	enzy	11/8/2001	998865	

Sample Number: 26371 Matrix: GW
Client ID: **011029**
Collection: 10/29/2001 Time: 10:22
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	10/29/2001	998740	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	enzy	11/8/2001	998865	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	10/29/2001	998743	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	enzy	11/8/2001	998865	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	enzy	11/8/2001	998865	
Iron - ICAP	1.2	mg/l	RJ	0.081	0.26	200.7	enzy	11/8/2001	998865	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	10/30/2001	998749	
Manganese - ICAP	0.13	mg/l	RJ	0.006	0.02	200.7	enzy	11/8/2001	998865	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	11/7/2001	998828	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	enzy	11/8/2001	998865	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	10/30/2001	998755	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	enzy	11/8/2001	998865	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	10/30/200	998754	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	enzy	11/8/2001	998865	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010867**
DATE REPORTED: 13-Nov-01
DATE RECEIVED: 29-Oct-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	11/1/2001	*998890*	
Cyanide, Amenable	**<0.006**	**mg/l**	**RJ**	0.006	0.02	335.2	bb	11/9/2001	*998888*	
Cyanide, Total	**0.01**	**mg/l**	***J*** **RJ**	0.006	0.02	335.2	bb	11/9/2001	*998879*	
pH (water)	**7**	**s.u.**	**#**			150.1	ogtp	10/25/2001	*998737*	
Sample Number: 26372 Matrix: GW								Collection: 10/29/2001		Time: 10:35
Client ID: **011029**								Sample Description: WA02P		
pH (water)	**9.5**	**s.u.**	**#**			150.1	ogtp	10/25/2001	*998737*	
Sample Number: 26373 Matrix: GW								Collection: 10/29/2001		Time: 10:37
Client ID: **011029**								Sample Description: WA03P		
pH (water)	**12**	**s.u.**	**#**			150.1	ogtp	10/25/2001	*998737*	
Sample Number: 26374 Matrix: GW								Collection: 10/29/2001		Time: 10:33
Client ID: **011029**								Sample Description: WA05P		
pH (water)	**7.4**	**s.u.**	**#**			150.1	ogtp	10/25/2001	*998737*	
Sample Number: 26377 Matrix: GW								Collection: 10/29/2001		Time: 10:26
Client ID: **011029**								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	*998879*	
pH (water)	**7.6**	**s.u.**	**#**			150.1	ogtp	10/25/2001	*998737*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010867**
DATE REPORTED:	13-Nov-01
DATE RECEIVED:	29-Oct-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:** 11/13/01

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.