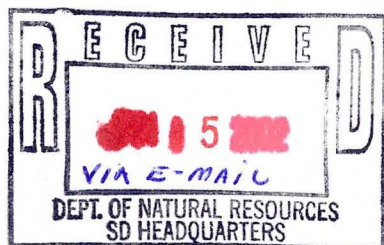


**MONTHLY MONITORING REPORT  
FOR THE  
OCOMOWOC ELECTROPLATING  
GROUNDWATER TREATMENT FACILITY**

**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**

**January 15, 2002**

*FOR DEC 2001*

## **1.0 Introduction**

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for December, 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](mailto: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.

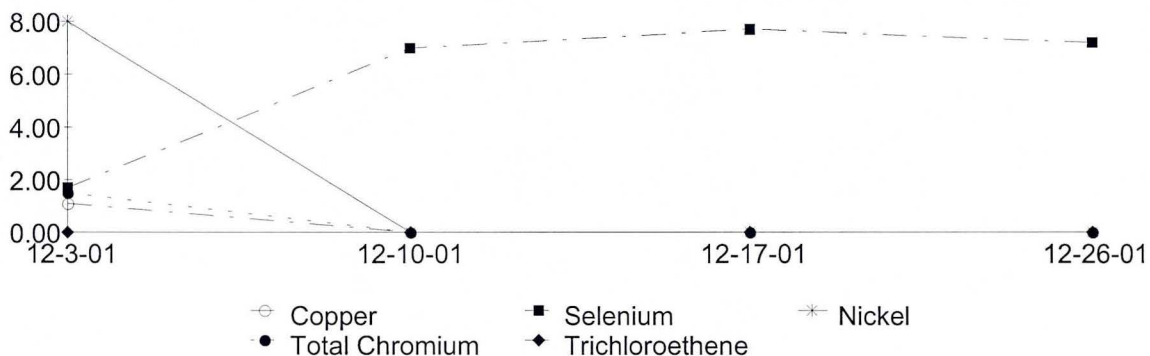
## 1.3 Effluent Monitoring

Weekly monitoring was conducted on December 3, 10, 17, and 26. The weekly samples for December were tested by APL, Inc. The monthly samples that were taken on December 3, were split-sampled and sent to En Chem, Inc. located in Madison, WI. This was requested by the USACE and will be conducted quarterly for their QA requirements. The results of the effluent monitoring tests for the samples taken in December 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



## 1.5 Monitoring Well Sampling

Another round of Monitoring Well sampling was conducted on December 4, 5, and 6. The Monitoring Well sampling is conducted on a quarterly basis. The results of the Monitoring Wells' analyses are enclosed with this report.

## 2.0 Plant Permit Exceedences

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

## 3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down three times for a total of 34.92 hours in December, 2001. The shut downs were due to clean RMT-301 and FT-311, EQT-100, and the complete Metals Package. Table 1 shows the summary of the plant down times for the month of December, 2001.

**Table 1 - Plant Down Time Summary**

<b>Date(s)</b>	<b>Number Hours Shut Down</b>	<b>Reason</b>
12-12-01	1.67	Shut Down to Clean RMT-301 & FT-311
12-17/19-01	30.25	Shut Down to Clean EQT-100
12-19-01	3	Shut Down to Clean Complete Metals Package
<b>TOTAL</b>	<b>34.92</b>	

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

On December 12, 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-121). 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-121 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Also, addressed during the shut down was the jettering out of the discharge line between the second stage of the Cyanide Reaction Tank (CRT-211) and RMT-301. Total down time was 1.67 hours. APL Inc., WDNR, and USACE were notified.

### **3.2 Shut Down to Clean EQT-100**

On December 17, the Extraction Wells were shut down at the end of the work day to lower the level in the Equalization Tank (EQT-100). A crew was scheduled to clean it out on December 18. At 9:30 P.M., on December 17, the treatment system shut down automatically when the level in EQT-100 dropped to <25%. At 5:10 A.M., on December 18, the treatment system was restarted in the manual mode to further lower the EQT-100 level. At 6:40 A.M., flow to the Treatment System Feed Pump (TFP-110) was lost and the treatment plant was shut down. The Equalization Tank's Solids Removal Pump (ESP-121) was activated to further lower the EQT-100 level until it lost flow. At 7:30 A.M., clean out crew arrived and started to remove the sludge from the bottom of the EQT-100 with their industrial vacuum truck. They completed the sludge removal at 11:30 A.M. Their truck was emptied 2 times using the modified Filter Press Feed Pump (FFP-810). The truck was rinsed out and they left the site at 12:30 P.M. At 11:45 A.M., the Extraction Well Pumps (EW-1/2/3/4/5) were activated and all possible tanks were drained to the floor trench to aid in refilling EQT-100. The piping from EQT-100 to the Metals Package and TFP-110/111 were cleaned out and TFP-110 was tested. TFP-110 was operating normally and it was put in the automatic position. The EQT-100 level must raise above 55% before the system will reactivate. At the end of the work day, EQT-100 was at 38% and the flow into it was 26 gpm. At the beginning of the work day on December 19, it was discovered that the treatment plant was still down. After a quick inspection, it was discovered that TFP-110 had failed and needed a lockout reset procedure performed to activate it. It was activated at 5:15 A.M. and the rest of the treatment plant was inspected. The EW's were shut down because EQT-100 was full. It was discovered that the Rapid Mix Tank Mixer (RTM-302) had a burned out motor and all of the metals package tanks were filled with a sludge that would not settle. The RTM-302 had a new motor installed and the Cyanide Reaction Tanks (CRT-201/211) were by-passed. The Tertiary Filtration System (TF-600) was clogged and an effluent backwash was performed. Total down time was 30.25 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

### **3.3 Shut Down to Clean the Entire Metals Package**

On December 19, at 8:40 A.M., the treatment plant was shut down to clean and inspect all of the tanks and mixers in the metals package. This was a result of the unsettled sludge that was discovered after the Equalization Tank (EQT-100) was cleaned out on December 18. *See above shut down summary #3.2.* All tanks were pumped to the Sludge Holding Tank (ST-820) and the sludge was removed for dewatering. Total down time was 3 hours. The USACE, WDNR, and APL, Inc. were notified of the shut down.

### **4.0 Sludge Press Operations**

The Sludge Filter Press (FP-800) was filled and emptied 9 times during the month of December, 2001. It was filled and emptied on December 7, 12, 14, 18, 19 (three times), 20, and 27. 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, 2001. A new hopper was set up on December 3, 2001. The first filter press load of dewatered sludge that was added to the new hopper occurred on December 7. The dewatered sludge hopper removal date is March 7, 2002. There were 9 filter press loads of dewatered sludge in the hopper at the end of December, 2001.

### **5.0 Summary**

Groundwater Treatment Plant effluent monitoring was conducted on December 3, 10, 17, and 26 of 2001. Another round of Monitoring Wells' sampling was conducted in December 2001. Split-sampling and analysis was conducted on the December 3 samples. The USACE exercised their option to split-sample the effluent for their QA analysis by an outside laboratory. This is conducted on a quarterly basis. 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 December, 2001, the plant was shut down three times for a total of 34.92 hours. See Table 1, Section 3.0 for shut down times. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance*

*Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by January 15, 2002.

The Filter Press was filled and emptied 9 times during the month of December, 2001. A new hopper was set up on December 3. The hopper has 9 Filter Press fillings in it at the end of December, 2001.

**OCONOMOWOC GROUNDWATER TREATMENT PLANT**

Weekly Sampling Results						Date:	12-03-01
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	7.5/7.6	Monitor	
TSS	<1	NT	NT	NT	<1/23	Monitor	mg/l
Arsenic	<5.6	<5.6	<5.6	NT	<5.6/0.84	5	
Barium	110	20	8	NT	10/7.4	400	
Cadmium	<0.4	<0.4	<0.4	NT	<0.4/<0.19	0.5	
Cadmium Total	<0.4	<0.4	<0.4	NT	<0.4/0.29	Monitor	
Recoverable							
Chromium +6	<4.2	NT	NT	NT	<4.2/<12	Monitor	
Chromium Total	<8	<8	<8	NT	<8/1.5	10	
Copper	<8	<6	<6	NT	<6/1.1	Monitor	
Iron	950	<81	<81	NT	<81/<44	Monitor	
Lead	<1.5	<1.5	<1.5	NT	<1.5/0.2	1.5	
Manganese	150	<6	<6	NT	<6/0.42	Monitor	
Mercury	<0.2	<0.2	<0.2	NT	<0.2/<0.088	0.2	
Nickel	20	<11	<11	NT	<11/8	20	
Selenium	<4.8	<4.8	<4.8	NT	<4.8/1.7	10	
Silver	<4	<4	<4	NT	<4/0.23	10	
Thallium	<1.3	<1.3	<1.3	NT	<1.3/<0.13	0.4	
Zinc	<14	<14	<14	NT	<14/<5	Monitor	
Cyanide	<6	<6	NT	NT	<6/<2.2	40	
Cyanide Amenable	<6	<6	NT	NT	<6/<2.1	Monitor	
1,1-Dichloroethane	8.7	NT	<0.32	<0.32/<0.32	<0.32/<0.61	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35/<0.35	<0.35/<0.54	0.5	
1,1-Dichloroethane	<1.7	NT	<0.34	<0.34/<0.34	<0.34/<0.47	0.7	
1,2-Dichloroethene Cis	34	NT	<0.27	<0.27/<0.27	<0.27/<0.46	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	<0.25/<0.25	<0.25/<0.64	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25/<0.25	<0.25/<0.5	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3/<0.3	<0.3/<0.38	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31/<0.31	<0.31/<0.41	0.5	
Toluene	<1.5	NT	<0.29	<0.29/<0.29	<0.29/<0.4	68	
1,1,1-Trichloroethane	140	NT	<0.31	<0.31/<0.31	<0.31/<0.53	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44/<0.44	<0.44/<0.47	0.5	
TCE	365	NT	0.74	<0.34/<0.34	<0.34/<0.49	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2/<0.2	<0.2/<0.17	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53/<0.53	<0.53/<1.2	124	
COD	13	NT	NT	NT	6.4/10	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	0.1/0.14	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.5/1.5	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	<0.1/0.15	Monitor	mg/l

NT = Not Tested.

N/A = Not Applicable at this time.

ug/l = Micrograms per Liter.

mg/l = Milligrams per Liter.

Second Effluent Result Is from the USACE QA Sampling Comparison on Effluent with En Chem, Inc.



**OCONOMOWOC GROUNDWATER TREATMENT PLANT**

Weekly Sampling Results

Date: 12-10-01

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.5	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	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	990	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	7	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	7.1	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	88	
1,1,1-Trichloroethane	114	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	344	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: 12-17-01

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7	11.7	N/A	N/A	7.4	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.8	NT	NT	NT	<5.6	5	
Barium	130	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	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	180	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	<11	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	7.7	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	8	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	3.6	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	20	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	86	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	302	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:	12-26-01
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	130	NT	NT	NT	20	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total	<0.4	NT	NT	NT	<0.4	Monitor	
Recoverable							
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	1100	NT	NT	NT	<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	7.2	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	8	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	1.9	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	6.5	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	113	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	371	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

MONITORING WELL						(ug/l)
						Date: December 2001
Parameter	MW02DP	MW03SP	MW05SP	MW05DP	MW06P	MW11BP
pH	7.41	DRY	DRY	7.97	DRY	COVERED
Conductivity	906	NT	NT	878	NT	NT
Arsenic	<5.6	NT	NT	<5.6	NT	NT
Barium	100	NT	NT	180	NT	NT
Cadmium	<0.4	NT	NT	<0.4	NT	NT
Cadmium Total Recoverable	<0.4	NT	NT	<0.4	NT	NT
Chromium +6	<4.2	NT	NT	<4.2	NT	NT
Chromium Total	<8	NT	NT	10	NT	NT
Copper	<6	NT	NT	<6	NT	NT
Iron	800	NT	NT	6800	NT	NT
Lead	<1.5	NT	NT	2.9	NT	NT
Manganese	30	NT	NT	150	NT	NT
Mercury	<0.2	NT	NT	<0.2	NT	NT
Nickel	<11	NT	NT	20	NT	NT
Selenium	<4.8	NT	NT	<4.8	NT	NT
Silver	<4	NT	NT	<4	NT	NT
Thallium	<1.3	NT	NT	<1.3	NT	NT
Zinc	<14	NT	NT	20	NT	NT
Cyanide	<6	NT	NT	10	NT	NT
Cyanide Free	<6	NT	NT	<6	NT	NT
1,1-Dichloroethane	<0.32	NT	NT	24	NT	NT
1,2-Dichloroethane	<0.35	NT	NT	<1.8	NT	NT
1,1-Dichloroethene	<0.34	NT	NT	<1.7	NT	NT
1,2-Dichloroethene Cis	<0.27	NT	NT	162	NT	NT
1,2-Dichloroethene Trans	<0.25	NT	NT	12	NT	NT
Ethylbenzene	<0.25	NT	NT	<1.3	NT	NT
Methylene Chloride	<0.3	NT	NT	<1.5	NT	NT
Tetrachloroethene	<0.31	NT	NT	<1.6	NT	NT
Toluene	<0.29	NT	NT	<1.5	NT	NT
1,1,1-Trichloroethane	<0.31	NT	NT	<1.6	NT	NT
1,1,2-Trichloroethane	<0.44	NT	NT	<2.2	NT	NT
TCE	<0.34	NT	NT	631	NT	NT
Vinyl Chloride	<0.2	NT	NT	<1	NT	NT
Xylene Total	<0.53	NT	NT	<2.7	NT	NT
Temperature (C)	12.1	NT	NT	11.4	NT	NT

UMHOS/CM

MW05SP, MW06P, & MW03SP Were Too Dry To Sample.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL	(ug/l)					
	Date: December 2001					
Parameter	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
pH	7.9	7.83	6.71	7.36	7.93	6.81
Conductivity	786	993	894	802	1011	1119
Arsenic	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
Barium	90	110	30	40	120	40
Cadmium	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Cadmium Total	0.63	<0.4	<0.4	<0.4	<0.4	0.94
Recoverable						
Chromium +6	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
Chromium Total	140	20	70	<8	<8	8
Copper	<6	970	10	<6	<6	9
Iron	330	6200	4100	<81	120	19,000
Lead	<1.5	3.9	2.9	<1.5	<1.5	<1.5
Manganese	30	110	100	60	240	470
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	30	40	20	<11	<11	40
Selenium	<4.8	<4.8	<4.8	<4.8	<4.8	8.5
Silver	<4	<4	<4	<4	<4	<4
Thallium	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Zinc	30	<14	20	<14	<14	30
Cyanide	<6	20	7	<6	<6	<6
Cyanide Free	<6	<6	<6	<6	<6	<6
1,1-Dichloroethane	<0.32	141	<0.32	<0.32	<0.32	<1.6
1,2-Dichloroethane	<0.35	1.4	<0.35	<0.35	<0.35	<1.8
1,1-Dichloroethene	<0.34	50	<0.34	<0.34	<0.34	<1.7
1,2-Dichloroethene Cis	<0.27	42	<0.27	<0.27	3.2	214
1,2-Dichloroethene Trans	<0.25	12	<0.25	<0.25	<0.25	<1.3
Ethylbenzene	<0.25	<0.5	<0.25	<0.25	<0.25	<1.3
Methylene Chloride	<0.3	<0.6	<0.3	<0.3	<0.3	<1.5
Tetrachloroethene	<0.31	<0.62	<0.31	<0.31	<0.31	<1.6
Toluene	<0.29	<0.58	<0.29	<0.29	<0.29	<1.5
1,1,1-Trichloroethane	<0.31	154	<0.31	<0.31	<0.31	<1.6
1,1,2-Trichloroethane	<0.44	<0.88	<0.44	<0.44	<0.44	<2.2
TCE	<0.34	40	<0.34	<0.34	26	<1.7
Vinyl Chloride	<0.2	7.4	<0.2	<0.2	<0.2	147
Xylene Total	<0.53	<1.1	<0.53	<0.53	<0.53	<2.7
Temperature (C)	10.3	10.6	11.1	11.2	13.4	10.2

uMHOS/CM

**FLOW FROM EXTRACTION WELLS**

<b>YEAR: 2001</b>			
<b>MONTH: DEC.</b>	<b>FE-100 FLOW</b>	<b>TOTAL DAY'S</b>	<b>DAILY FLOW</b>
<b>DAY</b>	<b>TOTALIZER</b>	<b>FLOW (GAL.)</b>	<b>MGD</b>
1	5,455,867.00	32,350.00	0.032
2	5,488,017.00	41,515.00	0.042
3	5,529,532.00	29,127.00	0.029
4	5,558,659.00	29,862.00	0.030
5	5,588,521.00	26,659.00	0.027
6	5,615,180.00	33,618.00	0.034
7	5,648,798.00	23,426.00	0.023
8	5,672,224.00	35,809.00	0.036
9	5,708,033.00	48,643.00	0.047
10	5,754,676.00	34,027.00	0.034
11	5,788,703.00	33,940.00	0.034
12	5,822,643.00	33,745.00	0.034
13	5,856,388.00	34,113.00	0.034
14	5,890,501.00	24,015.00	0.024
15	5,914,516.00	32,667.00	0.033
16	5,947,183.00	44,060.00	0.044
17	5,991,243.00	4,711.00	0.005
18	5,995,954.00	15,393.00	0.015
19	6,011,347.00	32,427.00	0.032
20	6,043,774.00	32,340.00	0.032
21	6,076,114.00	21,267.00	0.021
22	6,097,381.00	33,099.00	0.033
23	6,130,480.00	29,530.00	0.030
24	6,160,010.00	31,278.00	0.031
25	6,191,288.00	41,219.00	0.041
26	6,232,507.00	30,336.00	0.030
27	6,262,843.00	30,425.00	0.030
28	6,293,268.00	19,967.00	0.020
29	6,313,235.00	31,909.00	0.032
30	6,345,144.00	33,399.00	0.033
31	6,378,543.00	25,268.00	0.025
January 01	6,403,811.00		
		<b>TOTAL</b>	0.947
		<b>AVERAGE</b>	0.031

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FLOW FROM EQT-100

YEAR: 2001			
MONTH: DEC. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	5,388,964.00	43,112.00	0.043
2	5,432,076.00	54,567.00	0.055
3	5,486,643.00	39,932.00	0.040
4	5,528,575.00	37,011.00	0.037
5	5,563,588.00	38,498.00	0.038
6	5,602,084.00	37,565.00	0.038
7	5,639,649.00	28,725.00	0.029
8	5,688,374.00	43,989.00	0.044
9	5,712,363.00	58,024.00	0.058
10	5,770,387.00	48,032.00	0.046
11	5,816,419.00	42,344.00	0.042
12	5,858,763.00	42,641.00	0.043
13	5,901,404.00	42,955.00	0.043
14	5,944,359.00	29,982.00	0.030
15	5,974,341.00	40,492.00	0.040
16	6,014,833.00	54,754.00	0.055
17	6,069,587.00	13,359.00	0.013
18	6,082,946.00	13,799.00	0.014
19	6,096,745.00	43,150.00	0.043
20	6,139,895.00	44,772.00	0.045
21	6,184,667.00	28,398.00	0.028
22	6,213,065.00	43,998.00	0.044
23	6,257,063.00	37,954.00	0.038
24	6,295,017.00	33,787.00	0.034
25	6,328,804.00	56,129.00	0.056
26	6,364,933.00	38,575.00	0.039
27	6,423,508.00	39,006.00	0.039
28	6,462,514.00	24,223.00	0.024
29	6,486,737.00	42,748.00	0.043
30	6,529,485.00	43,425.00	0.043
31	6,572,910.00	29,740.00	0.030
January 01	6,602,650.00		

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**TOTAL** 1.214  
**AVERAGE** 0.039

FLOW FROM EXTRACTION WELLS

YEAR: 2001			
MONTH: DEC.	FIT-100 FLOW	TOTAL DAY'S	DAILY FLOW
DAY	TOTALIZER	FLOW (GAL.)	MGD
1	9,884,644.40	32,451.00	0.032
2	9,917,095.40	42,035.30	0.042
3	9,959,130.70	29,183.80	0.029
4	9,988,314.50	29,978.80	0.030
5	10,018,293.30	26,739.30	0.027
6	10,045,032.60	33,699.20	0.034
7	10,078,731.80	22,577.70	0.023
8	10,101,309.50	36,899.60	0.037
9	10,138,209.10	48,836.00	0.047
10	10,185,045.10	34,088.30	0.034
11	10,219,133.40	33,995.30	0.034
12	10,253,128.70	33,985.80	0.034
13	10,287,114.30	34,178.60	0.034
14	10,321,292.90	22,841.60	0.023
15	10,344,134.50	34,071.00	0.034
16	10,378,205.50	44,214.00	0.044
17	10,422,419.50	4,574.20	0.005
18	10,426,993.70	15,598.70	0.016
19	10,442,592.40	32,588.70	0.033
20	10,475,161.10	32,421.70	0.032
21	10,507,582.80	21,189.40	0.021
22	10,528,772.20	33,374.30	0.033
23	10,562,146.50	28,541.20	0.029
24	10,590,687.70	32,425.20	0.032
25	10,623,112.90	41,468.20	0.041
26	10,664,581.10	30,352.50	0.030
27	10,694,933.60	30,495.30	0.030
28	10,725,428.90	19,851.40	0.020
29	10,745,280.30	32,067.00	0.032
30	10,777,347.30	33,640.30	0.034
31	10,810,987.60	25,160.40	0.025
January 01	10,836,148.00		
		<b>TOTAL</b>	0.951
		<b>AVERAGE</b>	0.031

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FLOW FROM EQT-100

YEAR: 2001			
MONTH: DEC. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	5,667,594.80	43,184.40	0.043
2	5,710,789.20	55,330.40	0.055
3	5,766,119.60	39,932.90	0.040
4	5,806,052.50	37,125.80	0.037
5	5,843,178.30	38,605.10	0.039
6	5,881,783.40	37,624.90	0.038
7	5,919,408.30	27,604.50	0.028
8	5,947,012.80	45,257.00	0.045
9	5,992,269.80	58,251.20	0.058
10	6,050,521.00	46,114.70	0.046
11	6,096,635.70	42,386.90	0.042
12	6,139,022.60	42,749.60	0.043
13	6,181,772.20	43,031.60	0.043
14	6,224,803.80	28,302.30	0.028
15	6,253,106.10	42,236.40	0.042
16	6,295,342.50	54,987.10	0.055
17	6,350,329.60	13,216.70	0.013
18	6,363,546.30	13,972.80	0.014
19	6,377,519.10	43,379.80	0.043
20	6,420,898.90	44,785.90	0.045
21	6,465,684.80	28,116.80	0.028
22	6,493,801.60	44,271.90	0.044
23	6,538,073.50	36,871.00	0.037
24	6,574,944.50	33,803.60	0.034
25	6,608,748.10	57,649.00	0.058
26	6,666,397.10	38,585.40	0.039
27	6,704,982.50	39,096.00	0.039
28	6,744,078.50	23,826.30	0.024
29	6,767,903.80	43,001.30	0.043
30	6,810,905.10	43,810.30	0.044
31	6,854,715.40	29,419.10	0.029
January 01	6,884,134.50		

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**TOTAL** 1.216  
**AVERAGE** 0.039

**EFFLUENT FLOW FROM PLANT**

<b>YEAR: 2001</b>			
<b>MONTH: DEC.</b>	<b>NPDES STATION</b>	<b>TOTAL DAY'S</b>	<b>DAILY FLOW</b>
<b>DAY</b>	<b>TOTALIZER</b>	<b>FLOW (GAL.)</b>	<b>MGD</b>
1	8,130,962.00	35,021.00	0.035
2	8,165,983.00	42,595.00	0.043
3	8,208,578.00	33,528.00	0.034
4	8,242,106.00	27,686.00	0.028
5	8,269,792.00	30,900.00	0.031
6	8,300,692.00	29,583.00	0.030
7	8,330,275.00	25,930.00	0.026
8	8,356,205.00	38,041.00	0.038
9	8,394,246.00	46,103.00	0.046
10	8,440,349.00	39,058.00	0.039
11	8,479,407.00	34,850.00	0.035
12	8,514,257.00	32,536.00	0.033
13	8,546,793.00	35,599.00	0.036
14	8,582,392.00	26,430.00	0.026
15	8,608,822.00	34,046.00	0.034
16	8,642,868.00	43,204.00	0.043
17	8,686,072.00	13,863.00	0.014
18	8,699,935.00	3,789.00	0.004
19	8,703,724.00	34,376.00	0.034
20	8,738,100.00	36,751.00	0.037
21	8,774,851.00	24,061.00	0.024
22	8,798,912.00	38,057.00	0.038
23	8,836,969.00	29,593.00	0.030
24	8,866,562.00	26,308.00	0.026
25	8,892,870.00	46,121.00	0.046
26	8,938,991.00	30,045.00	0.030
27	8,969,036.00	32,840.00	0.033
28	9,001,876.00	21,041.00	0.035
29	9,022,917.00	34,576.00	0.035
30	9,057,493.00	34,989.00	0.035
31	9,092,482.00	23,192.00	0.023
January 01	9,115,674.00		
		<b>TOTAL</b>	1.001
		<b>AVERAGE</b>	0.032

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PRECIPITATION

YEAR: 2001	
MONTH: DEC. DAY	RAINFALL (INCHES)
1	0.00
2	0.00
3	0.00
4	0.00
5	0.35
6	0.20
7	0.00
8	0.20
9	0.00
10	0.00
11	0.00
12	0.00
13	0.55
14	0.10
15	0.00
16	1.20
17	0.25
18	0.00
19	0.00
20	0.00
21	0.00
22	0.00
23	0.30
24	0.20
25	0.00
26	0.00
27	0.05
28	0.05
29	0.00
30	0.00
31	0.00
<b>TOTAL</b>	<b>3.45</b>

**MONITOR WELL DEPTHS**

<b>OCONOMOWOC GROUNDWATER TREATMENT PLANT</b>						
<b>MONITORING WELLS</b>	<b>WATER LEVEL</b>			<b>FEET</b>		
<b>DATE</b>	<b>MW02DP</b>	<b>MW03SP</b>	<b>MW05SP</b>	<b>MW05DP</b>	<b>MW08P</b>	<b>MW11BP</b>
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
November 02, 2001	6.86	DRY	3.66	4.89	DRY	COVERED
December 3, 2001	6.42	DRY	DRY	4.44	DRY	COVERED

**MONITOR WELL DEPTHS**

<b>OCONOMOWOC GROUNDWATER TREATMENT PLANT</b>						
<b>MONITORING WELLS</b>	<b>WATER LEVEL</b>			<b>FEET</b>		
<b>DATE</b>	<b>MW12BP</b>	<b>MW12DP</b>	<b>MW13SP</b>	<b>MW14DP</b>	<b>MW15DP</b>	<b>MW16SP</b>
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	2.88	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
November 02, 2001	5.12	4.26	5.9	4.32	10.87	3.45
December 3, 2001	4.47	4.18	5.37	3.96	9.86	3.06

**MONITOR WELL DEPTHS**

<b>OCONOMOWOC GROUNDWATER TREATMENT PLANT</b>						
<b>MONITORING WELLS</b>	<b>WATER LEVEL</b>			<b>FEET</b>		
<b>DATE</b>	<b>MW01DP</b>	<b>MW01SP</b>	<b>MW02SP</b>	<b>MW03DP</b>	<b>MW04DP</b>	<b>MW04SP</b>
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	6.86	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
November 02, 2001	7.49	6.18	DRY	8.14	9.40	8.21
December 3, 2001	6.49	6.11	DRY	8.19	8.89	7.52

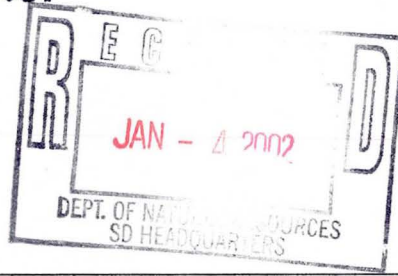
**MONITOR WELL DEPTHS**

<b>OCONOMOWOC GROUNDWATER TREATMENT PLANT</b>						
<b>MONITORING WELLS</b>		<b>WATER LEVEL</b>			<b>FEET</b>	
<b>DATE</b>	<b>MWD7P</b>	<b>MWD8P</b>	<b>MWD9SP</b>			
July 11, 2001	NO KEY	NO KEY	8.64			
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			
November 02, 2001	4.8	4.52	6.47			
December 3, 2001	4.11	4.08	6.03			



# INORGANIC REPORT

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



WDNR# 241340550

INVOICE NUMBER: 20010965  
 DATE REPORTED: 18-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 26684		Matrix: GW						Collection: 12/3/2001		Time: 10:12
Client ID: 011203								Sample Description: WA07P		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.008	mg/l	J RJ	0.007	0.02	200.7	ez	12/6/2001	999146	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/10/2001	999163	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/6/2001	999146	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/6/2001	999146	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	12/6/2001	999146	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/10/2001	999164	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/6/2001	999146	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	12/6/2001	999146	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/6/2001	999146	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/6/2001	999146	

Sample Number: 26685		Matrix: GW						Collection: 12/3/2001		Time: 10:10
Client ID: 011203								Sample Description: WA05P		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	ez	12/6/2001	999146	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/10/2001	999163	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/6/2001	999146	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/6/2001	999146	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	12/6/2001	999146	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/10/2001	999164	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/6/2001	999146	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	12/6/2001	999146	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/6/2001	999146	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/6/2001	999146	





# INORGANIC REPORT

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

WDNR# 241340550  
 INVOICE NUMBER 20010965  
 DATE REPORTED: 18-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments	
pH (water)	7.5	s.u.	#			150.1	bb	12/5/2001	999135		
Sample Number: 26686		Matrix: GW					Collection: 12/3/2001	Time: 10:20			
Client ID: 011203					Sample Description: WA09R						
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173		
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	ez	12/6/2001	999146		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/10/2001	999163		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/6/2001	999146		
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/6/2001	999146		
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	12/6/2001	999146		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/10/2001	999164		
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/6/2001	999146		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211		
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	12/6/2001	999146		
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/6/2001	999146		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178		
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/6/2001	999146		
COD, Total	6.4	mg/l	J RJ	3.4	11	410.4-CT	ta	12/14/2001	999228		
Nitrate + Nitrite Nitrogen	1.5	mg/l	RJ	0.03	0.10	353.3	ta	12/14/2001	999229		
Nitrogen, Ammonia	<0.1	mg/l	RJ	0.1	0.32	350.1	ta	12/14/2001	999231		
Phosphorus, Total	0.1	mg/l	J RJ	0.033	0.10	365.2	ta	12/14/2001	999233		
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540D	lu	12/7/2001	999236		

Sample Number: 26687		Matrix: GW					Collection: 12/3/2001	Time: 10:05			
Client ID: 011203					Sample Description: WA01P						
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173		
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	ez	12/6/2001	999146		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/10/2001	999163		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/6/2001	999146		
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/6/2001	999146		
Iron - ICAP	0.95	mg/l	RJ	0.081	0.26	200.7	ez	12/6/2001	999146		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/10/2001	999164		
Manganese - ICAP	0.15	mg/l	RJ	0.006	0.02	200.7	ez	12/6/2001	999146		

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



# INORGANIC REPORT

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

WDNR# 241340550  
 INVOICE NUMBER **20010965**  
 DATE REPORTED: **18-Dec-01**  
 DATE RECEIVED: **03-Dec-01**  
 SAMPLE TEMP (C): **Rec On Ice**  
 PROJECT ID:  
 PROJECT NAME: **OGTP**

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	12/6/2001	999146	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/6/2001	999146	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/6/2001	999146	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/5/2001	999176	
COD, Total	13	mg/l	RJ	3.4	11	410.4-CT	ta	12/14/2001	999228	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/14/2001	999235	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/10/2001	999170	
pH (water)	7	s.u.	#			150.1	bb	12/5/2001	999135	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540D	lu	12/7/2001	999157	

Sample Number: 26688	Matrix: GW	Collection: 12/3/2001	Time: 10:30							
Client ID: 011203		Sample Description: WA02P								
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/14/2001	999235	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/10/2001	999170	
pH (water)	9.8	s.u.	#			150.1	bb	12/5/2001	999135	

Sample Number: 26689	Matrix: GW	Collection: 12/3/2001	Time: 10:33							
Client ID: 011203		Sample Description: WA03P								
pH (water)	12	s.u.	#			150.1	bb	12/5/2001	999135	

Sample Number: 26693	Matrix: GW	Collection: 12/3/2001	Time: 10:16							
Client ID: 011203		Sample Description: WA09P								
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/4/2001	999242	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/14/2001	999235	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/14/2001	999234	
pH (water)	7.5	s.u.	# RJ			150.1	bb	12/5/2001	999135	



# INORGANIC REPORT

Dr. James Chang  
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WDNR# 241340550  
 INVOICE NUMBER 20010965  
 DATE REPORTED: 18-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By: [Signature] Date: 12/8/01  
 James Chang, Ph.D., Lab Director

**RJ** Result expressed as Total.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.  
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study  
 LOD = 3.143 (S) x Dilution Factor, 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: 20010965  
 DATE REPORTED: 17-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 26684	QC Prep Batch Number: 999226		Collection: 12/3/2001		Time: 10:12				
Client ID: 011203			Sample Description: WA07P						
1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1	8260	qh		12/6/2001 / 12/6/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1	8260	qh		12/6/2001 / 12/6/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1	8260	qh		12/6/2001 / 12/6/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1	8260	qh		12/6/2001 / 12/6/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1	8260	qh		12/6/2001 / 12/6/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1	8260	qh		12/6/2001 / 12/6/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1	8260	qh		12/6/2001 / 12/6/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1	8260	qh		12/6/2001 / 12/6/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1	8260	qh		12/6/2001 / 12/6/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1	8260	qh		12/6/2001 / 12/6/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1	8260	qh		12/6/2001 / 12/6/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1	8260	qh		12/6/2001 / 12/6/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1	8260	qh		12/6/2001 / 12/6/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1	8260	qh		12/6/2001 / 12/6/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1	8260	qh		12/6/2001 / 12/6/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1	8260	qh		12/6/2001 / 12/6/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1	8260	qh		12/6/2001 / 12/6/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1	8260	qh		12/6/2001 / 12/6/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1	8260	qh		12/6/2001 / 12/6/2001
1,2-Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1	8260	qh		12/6/2001 / 12/6/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1	8260	qh		12/6/2001 / 12/6/2001
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1	8260	qh		12/6/2001 / 12/6/2001
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1	8260	qh		12/6/2001 / 12/6/2001
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1	8260	qh		12/6/2001 / 12/6/2001
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1	8260	qh		12/6/2001 / 12/6/2001
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1	8260	qh		12/6/2001 / 12/6/2001
Acetone	<1.6	ug/l	1.6	4.9	1	8260	qh		12/6/2001 / 12/6/2001
Benzene	<0.27	ug/l	0.27	0.86	1	8260	qh		12/6/2001 / 12/6/2001
Bromobenzene	<0.31	ug/l	0.31	0.99	1	8260	qh		12/6/2001 / 12/6/2001
Bromochloromethane	<0.37	ug/l	0.37	1.2	1	8260	qh		12/6/2001 / 12/6/2001
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1	8260	qh		12/6/2001 / 12/6/2001
Bromoform	<0.39	ug/l	0.39	1.2	1	8260	qh		12/6/2001 / 12/6/2001
Bromomethane	<0.65	ug/l	0.65	2.1	1	8260	qh		12/6/2001 / 12/6/2001
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1	8260	qh		12/6/2001 / 12/6/2001
Chlorobenzene	<0.26	ug/l	0.26	0.83	1	8260	qh		12/6/2001 / 12/6/2001
Chloroethane	<0.64	ug/l	0.64	2.0	1	8260	qh		12/6/2001 / 12/6/2001
Chloroform	<0.24	ug/l	0.24	0.76	1	8260	qh		12/6/2001 / 12/6/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1	8260	qh		12/6/2001 / 12/6/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1	8260	qh		12/6/2001 / 12/6/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1	8260	qh		12/6/2001 / 12/6/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1	8260	qh		12/6/2001 / 12/6/2001

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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010965  
 DATE REPORTED: 17-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2001 / 12/6/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2001 / 12/6/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2001 / 12/6/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2001 / 12/6/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2001 / 12/6/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2001 / 12/6/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2001 / 12/6/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
Trichloroethene	0.74	ug/l	0.34	1.1	1	J	8260	qh	12/6/2001 / 12/6/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2001 / 12/6/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2001 / 12/6/2001

Sample Number: 26687

QC Prep Batch Number: 999226

Collection: 12/3/2001

Time: 10:05

Client ID: 011203

Sample Description: WA01P

1,1,1,2-Tetrachloroethane	<1.1	ug/l	1.1	3.5	5		8260	qh	12/6/2001 / 12/6/2001
1,1,1-Trichloroethane	140	ug/l	1.6	4.9	5		8260	qh	12/6/2001 / 12/6/2001
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	12/6/2001 / 12/6/2001
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethane	8.7	ug/l	1.6	5.1	5		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	qh	12/6/2001 / 12/6/2001
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	qh	12/6/2001 / 12/6/2001
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trimethylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	12/6/2001 / 12/6/2001
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	qh	12/6/2001 / 12/6/2001
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/6/2001 / 12/6/2001



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010965  
DATE REPORTED: 17-Dec-01  
DATE RECEIVED: 03-Dec-01  
SAMPLE TEMP (C): Rec On Ice  
PROJECT ID:  
PROJECT NAME: OGTP

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	12/6/2001 / 12/6/2001
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	12/6/2001 / 12/6/2001
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	12/6/2001 / 12/6/2001
1,2-Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	qh	12/6/2001 / 12/6/2001
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	12/6/2001 / 12/6/2001
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	12/6/2001 / 12/6/2001
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	12/6/2001 / 12/6/2001
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	12/6/2001 / 12/6/2001
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	12/6/2001 / 12/6/2001
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	12/6/2001 / 12/6/2001
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	12/6/2001 / 12/6/2001
Benzene	<1.4	ug/l	1.4	4.3	5		8260	qh	12/6/2001 / 12/6/2001
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/6/2001 / 12/6/2001
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	12/6/2001 / 12/6/2001
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	12/6/2001 / 12/6/2001
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	12/6/2001 / 12/6/2001
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	12/6/2001 / 12/6/2001
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	12/6/2001 / 12/6/2001
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	12/6/2001 / 12/6/2001
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	12/6/2001 / 12/6/2001
Chloroform	<1.2	ug/l	1.2	3.8	5		8260	qh	12/6/2001 / 12/6/2001
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	qh	12/6/2001 / 12/6/2001
cis-1,2-Dichloroethene	34	ug/l	1.4	4.3	5		8260	qh	12/6/2001 / 12/6/2001
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	qh	12/6/2001 / 12/6/2001
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	qh	12/6/2001 / 12/6/2001
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	qh	12/6/2001 / 12/6/2001
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	12/6/2001 / 12/6/2001
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/6/2001 / 12/6/2001
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	12/6/2001 / 12/6/2001
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	12/6/2001 / 12/6/2001
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	12/6/2001 / 12/6/2001
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	12/6/2001 / 12/6/2001
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	12/6/2001 / 12/6/2001
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	12/6/2001 / 12/6/2001
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	12/6/2001 / 12/6/2001
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	12/6/2001 / 12/6/2001
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	12/6/2001 / 12/6/2001
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/6/2001 / 12/6/2001
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/6/2001 / 12/6/2001
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/6/2001 / 12/6/2001
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/6/2001 / 12/6/2001
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	12/6/2001 / 12/6/2001
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/6/2001 / 12/6/2001
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	12/6/2001 / 12/6/2001
trans-1,2-Dichloroethene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/6/2001 / 12/6/2001

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



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010965  
 DATE REPORTED: 17-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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	12/6/2001 / 12/6/2001
Trichloroethene	365	ug/l	1.7	5.4	5		8260	qh	12/6/2001 / 12/6/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	12/6/2001 / 12/6/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	12/6/2001 / 12/6/2001

Sample Number: 26690

QC Prep Batch Number: 999226

Collection: 12/3/2001

Time: 10:14

Client ID: 011203

Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2001 / 12/6/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2001 / 12/6/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2001 / 12/6/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2001 / 12/6/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2001 / 12/6/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2001 / 12/6/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2001 / 12/6/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2001 / 12/6/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2001 / 12/6/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2001 / 12/6/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010965  
 DATE REPORTED: 17-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2001 / 12/6/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2001 / 12/6/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2001 / 12/6/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2001 / 12/6/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2001 / 12/6/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2001 / 12/6/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2001 / 12/6/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2001 / 12/6/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2001 / 12/6/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2001 / 12/6/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2001 / 12/6/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2001 / 12/6/2001

Sample Number: 26691

QC Prep Batch Number: 999226

Collection: 12/3/2001

Time:

Client ID: TRIP BLK

Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2001 / 12/6/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2001 / 12/6/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001





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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010965  
DATE REPORTED: 17-Dec-01  
DATE RECEIVED: 03-Dec-01  
SAMPLE TEMP (C): Rec On Ice  
PROJECT ID:  
PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2001 / 12/6/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2001 / 12/6/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2001 / 12/6/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2001 / 12/6/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2001 / 12/6/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2001 / 12/6/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2001 / 12/6/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2001 / 12/6/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2001 / 12/6/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2001 / 12/6/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2001 / 12/6/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2001 / 12/6/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2001 / 12/6/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2001 / 12/6/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2001 / 12/6/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2001 / 12/6/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2001 / 12/6/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2001 / 12/6/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001

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



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010965  
 DATE REPORTED: 17-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2001 / 12/6/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2001 / 12/6/2001

Sample Number: 26692

QC Prep Batch Number: 999226

Collection: 12/3/2001

Time: 10:14

Client ID: 011203

Sample Description: WA08Q

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2001 / 12/6/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2001 / 12/6/2001
1,2,3-Trichloropropene	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloropropene	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2001 / 12/6/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
1,3-Dichloropropene	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2001 / 12/6/2001
2,2-Dichloropropene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2001 / 12/6/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2001 / 12/6/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2001 / 12/6/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2001 / 12/6/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2001 / 12/6/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010965  
 DATE REPORTED: 17-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2001 / 12/6/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2001 / 12/6/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2001 / 12/6/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2001 / 12/6/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2001 / 12/6/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2001 / 12/6/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2001 / 12/6/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2001 / 12/6/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2001 / 12/6/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2001 / 12/6/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/6/2001 / 12/6/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2001 / 12/6/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2001 / 12/6/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2001 / 12/6/2001

Sample Number: 26693

QC Prep Batch Number: 999226

Collection: 12/3/2001

Time: 10:16

Client ID: 011203

Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/6/2001 / 12/6/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2001 / 12/6/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010965  
 DATE REPORTED: 17-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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	12/6/2001 / 12/6/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/6/2001 / 12/6/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/6/2001 / 12/6/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/6/2001 / 12/6/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2001 / 12/6/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2001 / 12/6/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/6/2001 / 12/6/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/6/2001 / 12/6/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/6/2001 / 12/6/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/6/2001 / 12/6/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/6/2001 / 12/6/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/6/2001 / 12/6/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2001 / 12/6/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/6/2001 / 12/6/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/6/2001 / 12/6/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/6/2001 / 12/6/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/6/2001 / 12/6/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/6/2001 / 12/6/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/6/2001 / 12/6/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/6/2001 / 12/6/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/6/2001 / 12/6/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/6/2001 / 12/6/2001

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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010965  
 DATE REPORTED: 17-Dec-01  
 DATE RECEIVED: 03-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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	12/6/2001 / 12/6/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/6/2001 / 12/6/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/6/2001 / 12/6/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/6/2001 / 12/6/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/6/2001 / 12/6/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/6/2001 / 12/6/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/6/2001 / 12/6/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/6/2001 / 12/6/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/6/2001 / 12/6/2001

Approved By: James Chang Date: 12/17/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

"O" = Significant peaks outside of the GRO or DRO retention time windows

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

- Analytical Report -

Project Name : OGTP

Client : US ARMY CORPS OF ENGINEERS

Project Number :

Report Date : 12/18/01

WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
914233-001	011203 WA09RC	12/3/01			
914233-002	011203 WA09C	12/3/01			
914233-003	TRIP BLANK C	12/3/01			
914233-004	011203 WA09C	12/3/01			



I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

Tod Holtemeyer  
Approval Signature

\_\_\_\_\_  
Date

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- Analytical Report -

Project Name : OGTP

Submitter : US ARMY CORPS OF ENGINEERS

Project Number :

Report Date : 12/18/01

Station ID : 011203 WA09RC

Collection Date : 12/3/01

Lab Sample Number : 914233-001

Matrix Type : GROUNDWATER

Lab Project Number : 914233

WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	0.84	0.28	0.89		ug/L	Q	12/14/01	SW846 3015	SW846 6020
Barium	7.4	0.18	0.57		ug/L		12/14/01	SW846 3015	SW846 6020
Cadmium	< 0.19	0.19	0.61		ug/L		12/14/01	SW846 3015	SW846 6020
Cadmium - Recoverable	0.29	0.17	0.54		ug/L	Q	12/12/01	SW846 3020 M	SW846 6020
Chromium	1.5	0.27	0.86		ug/L		12/14/01	SW846 3015	SW846 6020
Copper	1.1	0.62	2.0		ug/L	Q	12/14/01	SW846 3015	SW846 6020
Iron	< 44	44	140		ug/L		12/14/01	SW846 3015	SW846 6020
Lead	0.20	0.19	0.61		ug/L	Q	12/14/01	SW846 3015	SW846 6020
Manganese	0.42	0.19	0.61		ug/L	Q	12/14/01	SW846 3015	SW846 6020
Mercury	< 0.088	0.088	0.28		ug/L		12/11/01	SW846 7470A	SW846 7470A
Nickel	8.0	0.51	1.6		ug/L		12/14/01	SW846 3015	SW846 6020
Selenium	1.7	0.97	3.1		ug/L	Q	12/14/01	SW846 3015	SW846 6020
Silver	0.23	0.18	0.57		ug/L	Q	12/13/01	SW846 3015	SW846 6020
Thallium	< 0.13	0.13	0.41		ug/L		12/14/01	SW846 3015	SW846 6020
Zinc	< 5.0	5.0	16		ug/L		12/14/01	SW846 3015	SW846 6020
COD	10	2.9	9.2		mg/L		12/5/01	EPA 410.4	EPA 410.4
Nitrogen, ammonia	0.15	0.060	0.19		mg/L	QA(0.084)	12/5/01	EPA 350.1	EPA 350.1
Nitrogen, NO3 + NO2	1.5	0.014	0.045		mg/L		12/7/01	EPA 353.2	EPA 353.2
Phosphorus, total	0.14	0.097	0.31		mg/L	Q	12/6/01	EPA 365.1	EPA 365.1
Solids, total suspended	23	3.4	11		mg/L		12/5/01	EPA 160.2	EPA 160.2

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**- Analytical Report -**

**Project Name : OGTP**

**Submitter : US ARMY CORPS OF ENGINEERS**

**Project Number :**

**Report Date : 12/18/01**

**Station ID : 011203 WA09C**

**Collection Date : 12/3/01**

**Lab Sample Number : 914233-002**

**Matrix Type : GROUNDWATER**

**Lab Project Number : 914233**

**WI DNR LAB ID : 113172950**

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**Inorganic Results**

<b>Test</b>	<b>Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>EQL</b>	<b>Units</b>	<b>Code</b>	<b>Analysis Date</b>	<b>Prep Method</b>	<b>Analysis Method</b>
Cyanide, free	< 0.0022	0.0022	0.0070		mg/L		12/7/01	EPA 335.4	EPA 335.4
Cyanide, total	< 0.0021	0.0021	0.0067		mg/L		12/7/01	EPA 335.4	EPA 335.4



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## - Analytical Report -

Project Name : OGTP

Submitter : US ARMY CORPS OF ENGINEERS

Project Number :

Report Date : 12/18/01

Station ID : 011203 WA09C

Collection Date : 12/3/01

Lab Sample Number : 914233-004

Matrix Type : GROUNDWATER

Lab Project Number : 914233

WI DNR LAB ID : 113172950

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### Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Chromium, Hexavalent	< 12	12	38		ug/L		12/4/01	SW846 7196	SW846 7196

Inorganic Data Qualifier Sheet

A	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory MDL or LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	The analyte has been detected between the Method Detection Limit (MDL) and Method Reporting Limit (MRL). The results are qualified due to the uncertainty of analyte concentrations within this range.
BB	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
BD	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BI	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BL	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BX	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
DA	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
DF	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria. (See Sample Narrative).
E	Estimated concentration due to matrix interferences. During the metals analysis using the inductively coupled plasma (ICP), the serial dilution failed to meet the established control limits of 0-10% and the sample concentration is greater than 50 times the IDL (100 times the IDL for analysis done on the ICP-MS). The result was flagged with the E qualifier to indicate that a physical interference was observed.
ED	Elevated detection limit due to matrix effects.
F	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
G	Unable to determine precision due to matrix interference.
H(n)	Analysis performed <i>n</i> days past holding time (See Sample Narrative).
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
LV	Elevated detection limit due to low sample volume.
N	Spiked sample recovery not within control limits; post-digestion spike recovery accepted.
NP	Digested and post-digested spike recoveries fail accuracy control limits.
NR	Not required.
Q	The analyte has been detected between the Limit of Detection (LOD) and Limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
SUB1	Assay was subcontracted to an approved lab.
SUB2	Assay was subcontracted to En Chem Green Bay WI Cert. #: 405132750.
U	Analyte result is not detected.
UN	Unable to preserve sample due to matrix.
X	See sample narrative.
*	Duplicate analyses not within control limits.
&	Laboratory Control Spike recovery not within control limits.

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- Analytical Report -

Project Name : OGTP

Submitter : US ARMY CORPS OF ENGINEERS

Project Number :

Report Date : 12/18/01

Field ID : 011203 WA09C

Collection Date : 12/3/01

Lab Sample Number : 914233-002

Matrix Type : GROUNDWATER

Lab Project Number : 914233

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 12/12/01

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		12/12/01	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		12/12/01	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		12/12/01	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		12/12/01	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		12/12/01	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		12/12/01	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		12/12/01	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		12/12/01	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		12/12/01	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		12/12/01	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		12/12/01	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		12/12/01	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		12/12/01	SW846 8260B
Xylene, o-	< 0.54	0.54	1.7		ug/L		12/12/01	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		12/12/01	SW846 8260B
Xylenes, m-, p-	< 0.77	0.77	2.5		ug/L		12/12/01	SW846 8260B

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- Analytical Report -

Project Name : OGTP

Submitter : US ARMY CORPS OF ENGINEERS

Project Number :

Report Date : 12/18/01

Field ID : TRIP BLANK C

Collection Date : 12/3/01

Lab Sample Number : 914233-003

Matrix Type : BLANK

Lab Project Number : 914233

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

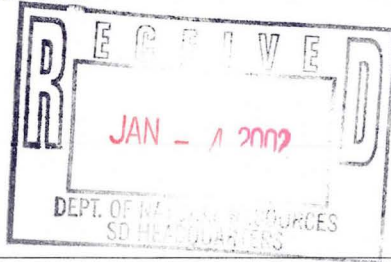
Prep Date: 12/12/01

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 0.53	0.53	1.7		ug/L		12/12/01	SW846 8260B
1,1,2-Trichloroethane	< 0.47	0.47	1.5		ug/L		12/12/01	SW846 8260B
1,1-Dichloroethane	< 0.61	0.61	1.9		ug/L		12/12/01	SW846 8260B
1,1-Dichloroethene	< 0.47	0.47	1.5		ug/L		12/12/01	SW846 8260B
1,2-Dichloroethane	< 0.54	0.54	1.7		ug/L		12/12/01	SW846 8260B
cis-1,2-Dichloroethene	< 0.46	0.46	1.5		ug/L		12/12/01	SW846 8260B
Ethylbenzene	< 0.50	0.50	1.6		ug/L		12/12/01	SW846 8260B
Methylene chloride	< 0.38	0.38	1.2		ug/L		12/12/01	SW846 8260B
Tetrachloroethene	< 0.41	0.41	1.3		ug/L		12/12/01	SW846 8260B
Toluene	< 0.40	0.40	1.3		ug/L		12/12/01	SW846 8260B
trans-1,2-Dichloroethene	< 0.64	0.64	2.0		ug/L		12/12/01	SW846 8260B
Trichloroethene	< 0.49	0.49	1.6		ug/L		12/12/01	SW846 8260B
Vinyl chloride	< 0.17	0.17	0.54		ug/L		12/12/01	SW846 8260B
Xylene, o-	< 0.54	0.54	1.7		ug/L		12/12/01	SW846 8260B
Xylene, total	< 1.2	1.2	3.8		ug/L		12/12/01	SW846 8260B
Xylenes, m-, p-	< 0.77	0.77	2.5		ug/L		12/12/01	SW846 8260B



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 26760	QC Prep Batch Number: 999252		Collection: 12/5/2001		Time: 08:10				
Client ID: 011205	Sample Description: MW02DP								
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1	8260	qh		/ 12/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1	8260	qh		/ 12/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh		/ 12/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh		/ 12/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1	8260	qh		/ 12/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		/ 12/17/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	qh		/ 12/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	qh		/ 12/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	qh		/ 12/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	qh		/ 12/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		/ 12/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		/ 12/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		/ 12/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	qh		/ 12/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	qh		/ 12/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		/ 12/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		/ 12/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		/ 12/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		/ 12/17/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1	8260	qh		/ 12/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		/ 12/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		/ 12/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		/ 12/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		/ 12/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		/ 12/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		/ 12/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		/ 12/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		/ 12/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		/ 12/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		/ 12/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		/ 12/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	qh		/ 12/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		/ 12/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		/ 12/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		/ 12/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		/ 12/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		/ 12/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		/ 12/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		/ 12/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		/ 12/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		/ 12/17/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/17/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	/ 12/17/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/17/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	/ 12/17/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/17/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	/ 12/17/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	/ 12/17/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	/ 12/17/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/17/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	/ 12/17/2001

Sample Number: 26761

QC Prep Batch Number: 999249

Collection: 12/6/2001

Time: 12:20

Client ID: 011206

Sample Description: MW05DP

1,1,1,2-Tetrachloroethane	<1.1	ug/l	1.1	3.5	5		8260	zzz	12/17/2001 / 12/17/2001
1,1,1-Trichloroethane	<1.6	ug/l	1.6	4.9	5		8260	zzz	12/17/2001 / 12/17/2001
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	zzz	12/17/2001 / 12/17/2001
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	zzz	12/17/2001 / 12/17/2001
1,1-Dichloroethane	24	ug/l	1.6	5.1	5		8260	zzz	12/17/2001 / 12/17/2001
1,1-Dichloroethene	<1.7	ug/l	1.7	5.4	5		8260	zzz	12/17/2001 / 12/17/2001
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	zzz	12/17/2001 / 12/17/2001
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	zzz	12/17/2001 / 12/17/2001
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	zzz	12/17/2001 / 12/17/2001
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	zzz	12/17/2001 / 12/17/2001
1,2,4-Trimethylbenzene	<1.5	ug/l	1.5	4.8	5		8260	zzz	12/17/2001 / 12/17/2001
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	zzz	12/17/2001 / 12/17/2001
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	zzz	12/17/2001 / 12/17/2001
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	zzz	12/17/2001 / 12/17/2001
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	zzz	12/17/2001 / 12/17/2001
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	zzz	12/17/2001 / 12/17/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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	zzz	12/17/2001 / 12/17/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	zzz	12/17/2001 / 12/17/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	zzz	12/17/2001 / 12/17/2001
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	zzz	12/17/2001 / 12/17/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	zzz	12/17/2001 / 12/17/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	zzz	12/17/2001 / 12/17/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	zzz	12/17/2001 / 12/17/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	zzz	12/17/2001 / 12/17/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	12/17/2001 / 12/17/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	zzz	12/17/2001 / 12/17/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	zzz	12/17/2001 / 12/17/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	zzz	12/17/2001 / 12/17/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	zzz	12/17/2001 / 12/17/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	zzz	12/17/2001 / 12/17/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	zzz	12/17/2001 / 12/17/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	zzz	12/17/2001 / 12/17/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	zzz	12/17/2001 / 12/17/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	zzz	12/17/2001 / 12/17/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	zzz	12/17/2001 / 12/17/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	zzz	12/17/2001 / 12/17/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	zzz	12/17/2001 / 12/17/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	zzz	12/17/2001 / 12/17/2001
cis-1,2-Dichloroethene	162	ug/l	1.4	4.3	5		8260	zzz	12/17/2001 / 12/17/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	zzz	12/17/2001 / 12/17/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	zzz	12/17/2001 / 12/17/2001
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	zzz	12/17/2001 / 12/17/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	zzz	12/17/2001 / 12/17/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	12/17/2001 / 12/17/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	zzz	12/17/2001 / 12/17/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	zzz	12/17/2001 / 12/17/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	zzz	12/17/2001 / 12/17/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	zzz	12/17/2001 / 12/17/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	zzz	12/17/2001 / 12/17/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	zzz	12/17/2001 / 12/17/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	zzz	12/17/2001 / 12/17/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	zzz	12/17/2001 / 12/17/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	zzz	12/17/2001 / 12/17/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	12/17/2001 / 12/17/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	zzz	12/17/2001 / 12/17/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	zzz	12/17/2001 / 12/17/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	zzz	12/17/2001 / 12/17/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	zzz	12/17/2001 / 12/17/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	zzz	12/17/2001 / 12/17/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	zzz	12/17/2001 / 12/17/2001
trans-1,2-Dichloroethene	12	ug/l	1.3	4.0	5		8260	zzz	12/17/2001 / 12/17/2001

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



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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	zzz	12/17/2001 / 12/17/2001
Trichloroethene	651	ug/l	1.7	5.4	5		8260	zzz	12/17/2001 / 12/17/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	zzz	12/17/2001 / 12/17/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	zzz	12/17/2001 / 12/17/2001

Sample Number: 26762

QC Prep Batch Number: 999252

Collection: 12/4/2001

Time: 12:45

Client ID: 011204

Sample Description: MW13SP

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 12/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 12/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 12/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 12/17/2001
1,1-Dichloropropene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	/ 12/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 12/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 12/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 12/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 12/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 12/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/17/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 12/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 12/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 12/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 12/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 12/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 12/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 12/17/2001





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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/17/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	/ 12/17/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/17/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	/ 12/17/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/17/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	/ 12/17/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/17/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	/ 12/17/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/17/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	/ 12/17/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	/ 12/17/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	/ 12/17/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/17/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	/ 12/17/2001

Sample Number: 26763

QC Prep Batch Number: 999252

Collection: 12/5/2001

Time: 08:00

Client ID: 011205

Sample Description: MW12BP

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	/ 12/17/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	/ 12/17/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	/ 12/17/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	/ 12/17/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	/ 12/17/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	/ 12/17/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	/ 12/17/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	/ 12/17/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 12/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 12/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/17/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 12/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 12/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 12/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 12/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 12/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 12/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 12/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 12/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 12/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 12/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 12/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	/ 12/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 12/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001

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



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 12/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 12/17/2001

Sample Number: 26764

QC Prep Batch Number: 999249

Collection: 12/4/2001

Time: 10:35

Client ID: 011204

Sample Description: MW12DP

1,1,1,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	2		8260	zzz	12/17/2001 / 12/17/2001
1,1,1-Trichloroethane	154	ug/l	0.62	2.0	2		8260	zzz	12/17/2001 / 12/17/2001
1,1,2,2-Tetrachloroethane	< 0.88	ug/l	0.88	2.8	2		8260	zzz	12/17/2001 / 12/17/2001
1,1,2-Trichloroethane	< 0.88	ug/l	0.88	2.8	2		8260	zzz	12/17/2001 / 12/17/2001
1,1-Dichloroethane	141	ug/l	0.64	2.0	2		8260	zzz	12/17/2001 / 12/17/2001
1,1-Dichloroethene	50	ug/l	0.68	2.2	2		8260	zzz	12/17/2001 / 12/17/2001
1,1-Dichloropropene	< 0.86	ug/l	0.86	2.7	2		8260	zzz	12/17/2001 / 12/17/2001
1,2,3-Trichlorobenzene	< 1.0	ug/l	1.0	3.2	2		8260	zzz	12/17/2001 / 12/17/2001
1,2,3-Trichloropropane	< 1.0	ug/l	1.0	3.2	2		8260	zzz	12/17/2001 / 12/17/2001
1,2,4-Trichlorobenzene	< 0.94	ug/l	0.94	3.0	2		8260	zzz	12/17/2001 / 12/17/2001
1,2,4-Trimethylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	zzz	12/17/2001 / 12/17/2001
1,2-Dibromoethane	< 0.92	ug/l	0.92	2.9	2		8260	zzz	12/17/2001 / 12/17/2001
1,2-Dichlorobenzene	< 0.68	ug/l	0.68	2.2	2		8260	zzz	12/17/2001 / 12/17/2001
1,2-Dichloroethane	1.4	ug/l	0.70	2.2	2	J	8260	zzz	12/17/2001 / 12/17/2001
1,2-Dichloropropane	< 0.64	ug/l	0.64	2.0	2		8260	zzz	12/17/2001 / 12/17/2001
1,3,5-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	zzz	12/17/2001 / 12/17/2001
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	zzz	12/17/2001 / 12/17/2001
1,3-Dichloropropane	< 0.78	ug/l	0.78	2.5	2		8260	zzz	12/17/2001 / 12/17/2001
1,4-Dichlorobenzene	< 0.72	ug/l	0.72	2.3	2		8260	zzz	12/17/2001 / 12/17/2001
1,2-Dibromo-3-chloropropan	< 0.66	ug/l	0.66	2.1	2		8260	zzz	12/17/2001 / 12/17/2001
2,2-Dichloropropane	< 0.54	ug/l	0.54	1.7	2		8260	zzz	12/17/2001 / 12/17/2001
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	2		8260	zzz	12/17/2001 / 12/17/2001
2-Chloroethyl Vinyl Ether	< 1.4	ug/l	1.4	4.5	2		8260	zzz	12/17/2001 / 12/17/2001
2-Chlorotoluene	< 0.60	ug/l	0.60	1.9	2		8260	zzz	12/17/2001 / 12/17/2001
4-Chlorotoluene	< 0.52	ug/l	0.52	1.7	2		8260	zzz	12/17/2001 / 12/17/2001
4-Methyl-2-Pentanone	< 1.6	ug/l	1.6	5.1	2		8260	zzz	12/17/2001 / 12/17/2001
Acetone	< 3.1	ug/l	3.1	9.9	2		8260	zzz	12/17/2001 / 12/17/2001
Benzene	< 0.54	ug/l	0.54	1.7	2		8260	zzz	12/17/2001 / 12/17/2001
Bromobenzene	< 0.62	ug/l	0.62	2.0	2		8260	zzz	12/17/2001 / 12/17/2001
Bromochloromethane	< 0.74	ug/l	0.74	2.4	2		8260	zzz	12/17/2001 / 12/17/2001
Bromodichloromethane	< 0.76	ug/l	0.76	2.4	2		8260	zzz	12/17/2001 / 12/17/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.78	ug/l	0.78	2.5	2		8260	zzz	12/17/2001 / 12/17/2001
Bromomethane	< 1.3	ug/l	1.3	4.1	2		8260	zzz	12/17/2001 / 12/17/2001
Carbon tetrachloride	< 0.54	ug/l	0.54	1.7	2		8260	zzz	12/17/2001 / 12/17/2001
Chlorobenzene	< 0.52	ug/l	0.52	1.7	2		8260	zzz	12/17/2001 / 12/17/2001
Chloroethane	< 1.3	ug/l	1.3	4.1	2		8260	zzz	12/17/2001 / 12/17/2001
Chloroform	< 0.48	ug/l	0.48	1.5	2		8260	zzz	12/17/2001 / 12/17/2001
Chloromethane	< 0.98	ug/l	0.98	3.1	2		8260	zzz	12/17/2001 / 12/17/2001
cis-1,2-Dichloroethene	42	ug/l	0.54	1.7	2		8260	zzz	12/17/2001 / 12/17/2001
cis-1,3-Dichloropropene	< 0.74	ug/l	0.74	2.4	2		8260	zzz	12/17/2001 / 12/17/2001
Dibromochloromethane	< 0.82	ug/l	0.82	2.6	2		8260	zzz	12/17/2001 / 12/17/2001
Dibromomethane	< 0.92	ug/l	0.92	2.9	2		8260	zzz	12/17/2001 / 12/17/2001
Dichlorodifluoromethane	< 0.54	ug/l	0.54	1.7	2		8260	zzz	12/17/2001 / 12/17/2001
Ethylbenzene	< 0.50	ug/l	0.50	1.6	2		8260	zzz	12/17/2001 / 12/17/2001
Hexachlorobutadiene	< 0.84	ug/l	0.84	2.7	2		8260	zzz	12/17/2001 / 12/17/2001
Isopropyl Ether	< 0.60	ug/l	0.60	1.9	2		8260	zzz	12/17/2001 / 12/17/2001
Isopropylbenzene	< 0.66	ug/l	0.66	2.1	2		8260	zzz	12/17/2001 / 12/17/2001
m&p-xylene	< 1.1	ug/l	1.1	3.4	2		8260	zzz	12/17/2001 / 12/17/2001
Methyl-t-butyl ether	< 0.78	ug/l	0.78	2.5	2		8260	zzz	12/17/2001 / 12/17/2001
Methylene chloride	< 0.60	ug/l	0.60	1.9	2		8260	zzz	12/17/2001 / 12/17/2001
n-Butylbenzene	< 0.72	ug/l	0.72	2.3	2		8260	zzz	12/17/2001 / 12/17/2001
n-Propylbenzene	< 0.56	ug/l	0.56	1.8	2		8260	zzz	12/17/2001 / 12/17/2001
Naphthalene	< 1.5	ug/l	1.5	4.8	2		8260	zzz	12/17/2001 / 12/17/2001
o-xylene	< 0.50	ug/l	0.50	1.6	2		8260	zzz	12/17/2001 / 12/17/2001
p-Isopropyltoluene	< 0.62	ug/l	0.62	2.0	2		8260	zzz	12/17/2001 / 12/17/2001
sec-Butylbenzene	< 0.68	ug/l	0.68	2.2	2		8260	zzz	12/17/2001 / 12/17/2001
Styrene	< 0.50	ug/l	0.50	1.6	2		8260	zzz	12/17/2001 / 12/17/2001
tert-Butylbenzene	< 0.60	ug/l	0.60	1.9	2		8260	zzz	12/17/2001 / 12/17/2001
Tetrachloroethene	< 0.62	ug/l	0.62	2.0	2		8260	zzz	12/17/2001 / 12/17/2001
Toluene	< 0.58	ug/l	0.58	1.8	2		8260	zzz	12/17/2001 / 12/17/2001
trans-1,2-Dichloroethene	12	ug/l	0.50	1.6	2		8260	zzz	12/17/2001 / 12/17/2001
trans-1,3-Dichloropropene	< 0.52	ug/l	0.52	1.7	2		8260	zzz	12/17/2001 / 12/17/2001
Trichloroethene	40	ug/l	0.68	2.2	2		8260	zzz	12/17/2001 / 12/17/2001
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	2		8260	zzz	12/17/2001 / 12/17/2001
Vinyl chloride	7.4	ug/l	0.40	1.3	2		8260	zzz	12/17/2001 / 12/17/2001

Sample Number: 26765

QC Prep Batch Number: 999252

Collection: 12/6/2001

Time: 10:00

Client ID: 011206

Sample Description: MW14DP

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	/ 12/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 12/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	/ 12/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 12/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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	/ 12/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	/ 12/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	/ 12/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	/ 12/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	/ 12/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	/ 12/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/17/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	/ 12/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	/ 12/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	/ 12/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	/ 12/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	/ 12/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	/ 12/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	/ 12/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	/ 12/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	/ 12/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	/ 12/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	/ 12/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	/ 12/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	/ 12/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	/ 12/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	/ 12/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	/ 12/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	/ 12/17/2001

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



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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	/ 12/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	/ 12/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	/ 12/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	/ 12/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	/ 12/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	/ 12/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	/ 12/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	/ 12/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	/ 12/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	/ 12/17/2001

Sample Number: 26766

QC Prep Batch Number: 999249

Collection: 12/5/2001

Time: 12:35

Client ID: 011205

Sample Description: MW15DP

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/17/2001 / 12/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/17/2001 / 12/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/17/2001 / 12/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/17/2001 / 12/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/17/2001 / 12/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/17/2001 / 12/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/17/2001 / 12/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/17/2001 / 12/17/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/17/2001 / 12/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Bromofom	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/17/2001 / 12/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001
Chlorobenzene	2.3	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/17/2001 / 12/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/17/2001 / 12/17/2001
cis-1,2-Dichloroethene	3.2	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/17/2001 / 12/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/17/2001 / 12/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/17/2001 / 12/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/17/2001 / 12/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/17/2001 / 12/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/17/2001 / 12/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/17/2001
Trichloroethene	26	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/17/2001 / 12/17/2001

Sample Number: 26767

QC Prep Batch Number: 999249

Collection: 12/4/2001

Time: 10:20

Client ID: 011204

Sample Description: MW16SP

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	qh	12/17/2001 / 12/17/2001
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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 1.6	ug/l	1.6	4.9	5		8260	qh	12/17/2001 / 12/17/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	12/17/2001 / 12/17/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	12/17/2001 / 12/17/2001
1,1-Dichloroethane	< 1.6	ug/l	1.6	5.1	5		8260	qh	12/17/2001 / 12/17/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	12/17/2001 / 12/17/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	12/17/2001 / 12/17/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	12/17/2001 / 12/17/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	12/17/2001 / 12/17/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	12/17/2001 / 12/17/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	12/17/2001 / 12/17/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	12/17/2001 / 12/17/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	12/17/2001 / 12/17/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	12/17/2001 / 12/17/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	12/17/2001 / 12/17/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	12/17/2001 / 12/17/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	12/17/2001 / 12/17/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	12/17/2001 / 12/17/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	12/17/2001 / 12/17/2001
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	12/17/2001 / 12/17/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	12/17/2001 / 12/17/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	12/17/2001 / 12/17/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	12/17/2001 / 12/17/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	12/17/2001 / 12/17/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	12/17/2001 / 12/17/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	12/17/2001 / 12/17/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	12/17/2001 / 12/17/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	12/17/2001 / 12/17/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	12/17/2001 / 12/17/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	12/17/2001 / 12/17/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	12/17/2001 / 12/17/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	12/17/2001 / 12/17/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	12/17/2001 / 12/17/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	12/17/2001 / 12/17/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	12/17/2001 / 12/17/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	12/17/2001 / 12/17/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	12/17/2001 / 12/17/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	12/17/2001 / 12/17/2001
cis-1,2-Dichloroethene	214	ug/l	1.4	4.3	5		8260	qh	12/17/2001 / 12/17/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	12/17/2001 / 12/17/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	12/17/2001 / 12/17/2001
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	12/17/2001 / 12/17/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	12/17/2001 / 12/17/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	12/17/2001 / 12/17/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	12/17/2001 / 12/17/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	12/17/2001 / 12/17/2001

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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	12/17/2001 / 12/17/2001
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	12/17/2001 / 12/17/2001
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	12/17/2001 / 12/17/2001
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	12/17/2001 / 12/17/2001
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	12/17/2001 / 12/17/2001
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	12/17/2001 / 12/17/2001
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	12/17/2001 / 12/17/2001
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/17/2001 / 12/17/2001
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/17/2001 / 12/17/2001
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/17/2001 / 12/17/2001
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/17/2001 / 12/17/2001
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	12/17/2001 / 12/17/2001
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/17/2001 / 12/17/2001
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	12/17/2001 / 12/17/2001
trans-1,2-Dichloroethene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/17/2001 / 12/17/2001
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	qh	12/17/2001 / 12/17/2001
Trichloroethene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/17/2001 / 12/17/2001
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	qh	12/17/2001 / 12/17/2001
Vinyl chloride	147	ug/l	1.0	3.2	5		8260	qh	12/17/2001 / 12/17/2001

Sample Number: 26768

QC Prep Batch Number: 999249

Collection: 12/4/2001

Time:

Client ID: TRIP BLANK

Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	12/17/2001 / 12/17/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/17/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/17/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/17/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/17/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	12/17/2001 / 12/17/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	12/17/2001 / 12/17/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	12/17/2001 / 12/17/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	12/17/2001 / 12/17/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/17/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/17/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/17/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/17/2001
1,2-Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/17/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/17/2001 / 12/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/17/2001 / 12/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/17/2001 / 12/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/17/2001 / 12/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/17/2001 / 12/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/17/2001 / 12/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/17/2001 / 12/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/17/2001 / 12/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/17/2001 / 12/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/17/2001 / 12/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/17/2001 / 12/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/17/2001 / 12/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/17/2001 / 12/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/17/2001 / 12/17/2001



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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

Date: 12/26/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ =  $10 (S) \times \text{Dilution Factor}$ , where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD =  $3.143 (S) \times \text{Dilution Factor}$ , where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

"O" = Significant peaks outside of the GRO or DRO retention time windows

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



# INORGANIC REPORT

Dr. James Chang  
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WDNR# 241340550

INVOICE NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 26760		Matrix: GW						Collection: 12/5/2001	Time: 08:10	
Client ID: 011205						Sample Description: MW02DP				
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	ez	12/19/2001	999250	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	bb	12/18/2001	999244	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/19/2001	999250	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/19/2001	999250	
Iron - ICAP	0.8	mg/l	RJ	0.081	0.26	200.7	ez	12/19/2001	999250	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/18/2001	999254	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	ez	12/19/2001	999250	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	12/19/2001	999250	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/19/2001	999250	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/19/2001	999250	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/5/2001	999176	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	tm	12/17/2001	999241	
pH (water)	7.4	s.u.	# RJ			150.1	dg	12/5/2001	999256	

Sample Number: 26761		Matrix: GW						Collection: 12/6/2001	Time: 12:20	
Client ID: 011206						Sample Description: MW05DP				
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.18	mg/l	RJ	0.007	0.02	200.7	ez	12/12/2001	999188	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	bb	12/18/2001	999244	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	ez	12/12/2001	999188	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Iron - ICAP	6.8	mg/l	RJ	0.081	0.26	200.7	ez	12/12/2001	999188	
Lead - Furnace AA	2.9	ug/l	J RJ	1.5	4.8	239.2	bb	12/18/2001	999254	
Manganese - ICAP	0.15	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	12/12/2001	999188	



# INORGANIC REPORT

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WDNR# 241340550

INVOICE NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/12/2001	999188	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	ez	12/12/2001	999188	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/5/2001	999176	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	0.01	mg/l	J RJ	0.006	0.02	335.2	tm	12/17/2001	999241	
pH (water)	8	s.u.	# RJ			150.1	dg	12/5/2001	999256	

Sample Number: 26762

Matrix: GW

Collection: 12/4/2001

Time: 12:45

Client ID: 011204

Sample Description: MW13SP

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.03	mg/l	RJ	0.007	0.02	200.7	ez	12/12/2001	999188	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	bb	12/18/2001	999244	
Chromium, Total - ICAP	0.07	mg/l	RJ	0.008	0.03	200.7	ez	12/12/2001	999188	
Copper - ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Iron - ICAP	4.1	mg/l	RJ	0.081	0.26	200.7	ez	12/12/2001	999188	
Lead - Furnace AA	2.9	ug/l	J RJ	1.5	4.8	239.2	bb	12/18/2001	999254	
Manganese - ICAP	0.1	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	12/12/2001	999188	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/12/2001	999188	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	ez	12/12/2001	999188	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/5/2001	999176	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	0.007	mg/l	J RJ	0.006	0.02	335.2	tm	12/17/2001	999241	
pH (water)	6.7	s.u.	# RJ			150.1	dg	12/5/2001	999256	

Sample Number: 26763

Matrix: GW

Collection: 12/5/2001

Time: 08:00

Client ID: 011205

Sample Description: MW12BP

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	ez	12/12/2001	999188	



# INORGANIC REPORT

Dr. James Chang  
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 Milwaukee, WI 53223

WDNR# 241340550

INVOICE NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/18/2001	999244	
Cadmium-Total Recoverable	0.63	ug/l	J TTR	0.4	1.3	7131	bb	12/18/2001		
Chromium, Total - ICAP	0.14	mg/l	RJ	0.008	0.03	200.7	ez	12/12/2001	999188	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Iron - ICAP	0.33	mg/l	RJ	0.081	0.26	200.7	ez	12/12/2001	999188	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/18/2001	999254	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	ez	12/12/2001	999188	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/12/2001	999188	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	ez	12/12/2001	999188	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/5/2001	999176	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	tm	12/17/2001	999241	
pH (water)	7.9	s.u.	# RJ			150.1	dg	12/5/2001	999256	

Sample Number: 26764  
 Client ID: 011204

Matrix: GW

Collection: 12/4/2001 Time: 10:35  
 Sample Description: MW12DP

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	ez	12/12/2001	999188	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	bb	12/18/2001	999244	
Chromium, Total - ICAP	0.02	mg/l	J RJ	0.008	0.03	200.7	ez	12/12/2001	999188	
Copper- ICAP	0.97	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Iron - ICAP	6.2	mg/l	RJ	0.081	0.26	200.7	ez	12/12/2001	999188	
Lead - Furnace AA	3.9	ug/l	J RJ	1.5	4.8	239.2	bb	12/18/2001	999254	
Manganese - ICAP	0.11	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	ez	12/12/2001	999188	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/12/2001	999188	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/12/2001	999188	



# INORGANIC REPORT

Dr. James Chang  
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 Milwaukee, WI 53223

WDNR# 241340550

INVOICE NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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	12/5/2001	999176	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	tm	12/17/2001	999241	
pH (water)	7.8	s.u.	# RJ			150.1	dg	12/5/2001	999256	

Sample Number: 26765  
 Client ID: 011206

Matrix: GW

Collection: 12/6/2001 Time: 10:00  
 Sample Description: MW14DP

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.04	mg/l	RJ	0.007	0.02	200.7	ez	12/12/2001	999188	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	bb	12/18/2001	999244	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/12/2001	999188	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	12/12/2001	999188	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/18/2001	999254	
Manganese - ICAP	0.06	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	12/12/2001	999188	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/12/2001	999188	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/12/2001	999188	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/5/2001	999176	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/20/2001	999267	
pH (water)	7.4	s.u.	# RJ			150.1	dg	12/5/2001	999256	

Sample Number: 26766  
 Client ID: 011205

Matrix: GW

Collection: 12/5/2001 Time: 12:35  
 Sample Description: MW15DP

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	ez	12/12/2001	999188	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	bb	12/18/2001	999244	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/12/2001	999188	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Iron - ICAP	0.12	mg/l	J RJ	0.081	0.26	200.7	ez	12/12/2001	999188	

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



# INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER: 20010979  
 DATE REPORTED: 26-Dec-01  
 DATE RECEIVED: 06-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/18/2001	999254	
Manganese - ICAP	0.24	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	12/12/2001	999188	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/12/2001	999188	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/12/2001	999188	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/5/2001	999176	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/20/2001	999267	
pH (water)	7.9	s.u.	# RJ			150.1	dg	12/5/2001	999256	

Sample Number: 26767

Matrix: GW

Collection: 12/4/2001

Time: 10:20

Client ID: 011204

Sample Description: MW16SP

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/10/2001	999173	
Barium - ICAP	0.04	mg/l	RJ	0.007	0.02	200.7	ez	12/12/2001	999188	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/18/2001	999244	
Cadmium-Total Recoverable	0.94	ug/l	J TTR	0.4	1.3	7131	bb	12/18/2001		
Chromium, Total - ICAP	0.008	mg/l	J RJ	0.008	0.03	200.7	ez	12/12/2001	999188	
Copper - ICAP	0.009	mg/l	J RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Iron - ICAP	19	mg/l	RJ	0.081	0.26	200.7	ez	12/12/2001	999188	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/18/2001	999254	
Manganese - ICAP	0.47	mg/l	RJ	0.006	0.02	200.7	ez	12/12/2001	999188	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	ez	12/12/2001	999188	
Selenium - Furnace AA	8.5	ug/l	J RJ	4.8	15	270.2	bb	12/10/2001	999172	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/12/2001	999188	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/11/2001	999178	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	ez	12/12/2001	999188	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/5/2001	999176	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/20/2001	999267	
pH (water)	6.8	s.u.	# RJ			150.1	dg	12/5/2001	999256	





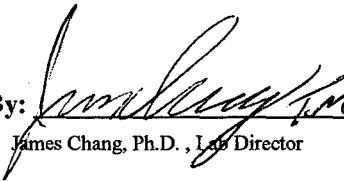
# INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER: 20010979  
DATE REPORTED: 26-Dec-01  
DATE RECEIVED: 06-Dec-01  
SAMPLE TEMP (C): Rec On Ice  
PROJECT ID:  
PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By:  Date: 12/26/01  
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 Factor, where "S" is the Standard Deviation from the MDL Study

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

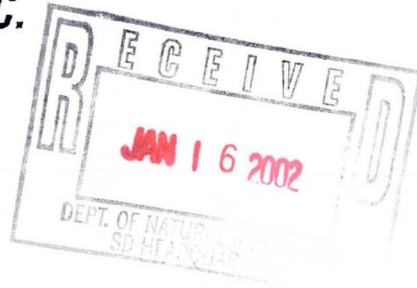
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



# INORGANIC REPORT

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



WDNR# 241340550

INVOICE NUMBER: 20010986  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 10-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID: 12/10/2001  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments	
Sample Number: 26785		Matrix: GW									
Client ID: 011210									Collection: 12/10/2001	Time: 09:18	
Sample Description: WAO9R											
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/24/2001	999295		
Barium - ICAP	<0.007	mg/l	RJ	0.007	0.02	200.7	ez	12/19/2001	999250		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/18/2001	999244		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/19/2001	999250		
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/19/2001	999250		
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	12/19/2001	999250		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/27/2001	999318		
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/19/2001	999250		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211		
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	12/19/2001	999250		
Selenium - Furnace AA	7	ug/l	J RJ	4.8	15	270.2	bb	12/26/2001	999312		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/19/2001	999250		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/26/2001	999308		
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/19/2001	999250		

Sample Number: 26786		Matrix: GW									
Client ID: 011210									Collection: 12/10/2001	Time: 09:06	
Sample Description: WAOIP											
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/24/2001	999295		
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	ez	12/19/2001	999250		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/18/2001	999244		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/19/2001	999250		
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/19/2001	999250		
Iron - ICAP	0.99	mg/l	RJ	0.081	0.26	200.7	ez	12/19/2001	999250		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/27/2001	999318		
Manganese - ICAP	0.17	mg/l	RJ	0.006	0.02	200.7	ez	12/19/2001	999250		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/13/2001	999211		
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	ez	12/19/2001	999250		
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/26/2001	999312		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/19/2001	999250		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/26/2001	999308		
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/19/2001	999250		



# INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER: **20010986**  
 DATE REPORTED: **02-Jan-02**  
 DATE RECEIVED: **10-Dec-01**  
 SAMPLE TEMP (C): **Rec On Ice**  
 PROJECT ID: **12/10/2001**  
 PROJECT NAME: **OGTP**

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	80535	12/11/2001	999227	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/20/2001	999267	
pH (water)	6.9	s.u.	# RJ			150.1	dg	12/10/2001	999256	

Sample Number: 26787	Matrix: GW	Collection: 12/10/2001	Time: 09:10				
Client ID: 011210		Sample Description: WAO2P					
pH (water)	9.7	s.u.	# RJ	150.1	dg	12/10/2001	999256

Sample Number: 26788	Matrix: GW	Collection: 12/10/2001	Time: 09:12				
Client ID: 011210		Sample Description: WAO3P					
pH (water)	12	s.u.	# RJ	150.1	dg	12/10/2001	999256

Sample Number: 26789	Matrix: GW	Collection: 12/10/2001	Time: 09:00				
Client ID: 011210		Sample Description: WAO5P					
pH (water)	7.4	s.u.	# RJ	150.1	dg	12/10/2001	999256

Sample Number: 26792	Matrix: GW	Collection: 12/10/2001	Time: 09:14							
Client ID: 011210		Sample Description: WAO9P								
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	80535	12/11/2001	999227	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/19/2001	999265	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	12/20/2001	999267	
pH (water)	7.4	s.u.	# RJ			150.1	dg	12/10/2001	999256	



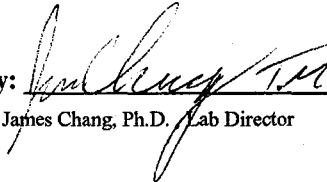
# INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER 20010986  
DATE REPORTED: 02-Jan-02  
DATE RECEIVED: 10-Dec-01  
SAMPLE TEMP (C): Rec On Ice  
PROJECT ID: 12/10/2001  
PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By:  Date: 1/2/02  
James Chang, Ph.D. Lab Director

**RJ** Result expressed as Total.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

LOD = 3.143 (S) x Dilution Factor, 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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 Phone: (414) 355-5800 Fax: (414) 355-3099

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

# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010986  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 10-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID: 12/10/2001  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 26786									
Client ID: 011210									
	QC Prep Batch Number:		999330						
						Collection: 12/10/2001			Time: 09:06
						Sample Description: WAOIP			
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	Admin		12/17/2001 / 12/18/2001
1,1,1-Trichloroethane	114	ug/l	1.6	4.9	5	8260	Admin		12/17/2001 / 12/18/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5	8260	Admin		12/17/2001 / 12/18/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5	8260	Admin		12/17/2001 / 12/18/2001
1,1-Dichloroethane	7.1	ug/l	1.6	5.1	5	8260	Admin		12/17/2001 / 12/18/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5	8260	Admin		12/17/2001 / 12/18/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5	8260	Admin		12/17/2001 / 12/18/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5	8260	Admin		12/17/2001 / 12/18/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5	8260	Admin		12/17/2001 / 12/18/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5	8260	Admin		12/17/2001 / 12/18/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5	8260	Admin		12/17/2001 / 12/18/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5	8260	Admin		12/17/2001 / 12/18/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5	8260	Admin		12/17/2001 / 12/18/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5	8260	Admin		12/17/2001 / 12/18/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5	8260	Admin		12/17/2001 / 12/18/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5	8260	Admin		12/17/2001 / 12/18/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	Admin		12/17/2001 / 12/18/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5	8260	Admin		12/17/2001 / 12/18/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5	8260	Admin		12/17/2001 / 12/18/2001
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5	8260	Admin		12/17/2001 / 12/18/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5	8260	Admin		12/17/2001 / 12/18/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5	8260	Admin		12/17/2001 / 12/18/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5	8260	Admin		12/17/2001 / 12/18/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5	8260	Admin		12/17/2001 / 12/18/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5	8260	Admin		12/17/2001 / 12/18/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5	8260	Admin		12/17/2001 / 12/18/2001
Acetone	< 7.8	ug/l	7.8	25	5	8260	Admin		12/17/2001 / 12/18/2001
Benzene	< 1.4	ug/l	1.4	4.3	5	8260	Admin		12/17/2001 / 12/18/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5	8260	Admin		12/17/2001 / 12/18/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5	8260	Admin		12/17/2001 / 12/18/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5	8260	Admin		12/17/2001 / 12/18/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5	8260	Admin		12/17/2001 / 12/18/2001
Bromomethane	< 3.3	ug/l	3.3	10	5	8260	Admin		12/17/2001 / 12/18/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5	8260	Admin		12/17/2001 / 12/18/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	Admin		12/17/2001 / 12/18/2001
Chloroethane	< 3.2	ug/l	3.2	10	5	8260	Admin		12/17/2001 / 12/18/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5	8260	Admin		12/17/2001 / 12/18/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5	8260	Admin		12/17/2001 / 12/18/2001
cis-1,2-Dichloroethene	31	ug/l	1.4	4.3	5	8260	Admin		12/17/2001 / 12/18/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5	8260	Admin		12/17/2001 / 12/18/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5	8260	Admin		12/17/2001 / 12/18/2001

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



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010986  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 10-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID: 12/10/2001  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	Admin	12/17/2001 / 12/18/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	Admin	12/17/2001 / 12/18/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	Admin	12/17/2001 / 12/18/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	Admin	12/17/2001 / 12/18/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	Admin	12/17/2001 / 12/18/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	Admin	12/17/2001 / 12/18/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	Admin	12/17/2001 / 12/18/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	Admin	12/17/2001 / 12/18/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	Admin	12/17/2001 / 12/18/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	Admin	12/17/2001 / 12/18/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	Admin	12/17/2001 / 12/18/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	Admin	12/17/2001 / 12/18/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	Admin	12/17/2001 / 12/18/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	Admin	12/17/2001 / 12/18/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	Admin	12/17/2001 / 12/18/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	Admin	12/17/2001 / 12/18/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	Admin	12/17/2001 / 12/18/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	Admin	12/17/2001 / 12/18/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	Admin	12/17/2001 / 12/18/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	Admin	12/17/2001 / 12/18/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	Admin	12/17/2001 / 12/18/2001
Trichloroethene	344	ug/l	1.7	5.4	5		8260	Admin	12/17/2001 / 12/18/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	Admin	12/17/2001 / 12/18/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	Admin	12/17/2001 / 12/18/2001

Sample Number: 26790

QC Prep Batch Number: 999330

Collection: 12/10/2001

Time: 09:02

Client ID: 011210

Sample Description: WAO7P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/17/2001 / 12/18/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/17/2001 / 12/18/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/17/2001 / 12/18/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/17/2001 / 12/18/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/18/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010986  
DATE REPORTED: 02-Jan-02  
DATE RECEIVED: 10-Dec-01  
SAMPLE TEMP (C): Rec On Ice  
PROJECT ID: 12/10/2001  
PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/18/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/17/2001 / 12/18/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/17/2001 / 12/18/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/17/2001 / 12/18/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/17/2001 / 12/18/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/17/2001 / 12/18/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/17/2001 / 12/18/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/18/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/17/2001 / 12/18/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/17/2001 / 12/18/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/18/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/17/2001 / 12/18/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/18/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/17/2001 / 12/18/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/18/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/17/2001 / 12/18/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/17/2001 / 12/18/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/17/2001 / 12/18/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001

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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010986  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 10-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID: 12/10/2001  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/18/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/17/2001 / 12/18/2001

Sample Number: 26791

QC Prep Batch Number: 999330

Collection: 12/10/2001

Time: 09:04

Client ID: 011210

Sample Description: WAO8P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/17/2001 / 12/18/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/17/2001 / 12/18/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/17/2001 / 12/18/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/17/2001 / 12/18/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/18/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/18/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/17/2001 / 12/18/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/17/2001 / 12/18/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/17/2001 / 12/18/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/17/2001 / 12/18/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/17/2001 / 12/18/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/17/2001 / 12/18/2001





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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010986  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 10-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID: 12/10/2001  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/18/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/17/2001 / 12/18/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/17/2001 / 12/18/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/18/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/17/2001 / 12/18/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/18/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/17/2001 / 12/18/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/18/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/17/2001 / 12/18/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/17/2001 / 12/18/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/17/2001 / 12/18/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/18/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/17/2001 / 12/18/2001

Sample Number: 26792

QC Prep Batch Number: 999330

Collection: 12/10/2001

Time: 09:14

Client ID: 011210

Sample Description: WAO9P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/17/2001 / 12/18/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/17/2001 / 12/18/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/17/2001 / 12/18/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/17/2001 / 12/18/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001

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



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010986  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 10-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID: 12/10/2001  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/18/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/18/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/17/2001 / 12/18/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/17/2001 / 12/18/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/17/2001 / 12/18/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/17/2001 / 12/18/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/17/2001 / 12/18/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/17/2001 / 12/18/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/18/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/17/2001 / 12/18/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/17/2001 / 12/18/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/18/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/17/2001 / 12/18/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/18/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/17/2001 / 12/18/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/18/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/17/2001 / 12/18/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/17/2001 / 12/18/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001

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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010986  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 10-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID: 12/10/2001  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/17/2001 / 12/18/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/18/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/17/2001 / 12/18/2001

Sample Number: 26793

QC Prep Batch Number: 999330

Collection: 12/10/2001

Time:

Client ID: Trip Blank

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/17/2001 / 12/18/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/17/2001 / 12/18/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/17/2001 / 12/18/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/17/2001 / 12/18/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/17/2001 / 12/18/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/17/2001 / 12/18/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/18/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/18/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/17/2001 / 12/18/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/17/2001 / 12/18/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/17/2001 / 12/18/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/17/2001 / 12/18/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/17/2001 / 12/18/2001



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010986  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 10-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID: 12/10/2001  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/17/2001 / 12/18/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/17/2001 / 12/18/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/18/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/17/2001 / 12/18/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/17/2001 / 12/18/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/17/2001 / 12/18/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/17/2001 / 12/18/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/17/2001 / 12/18/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/17/2001 / 12/18/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/17/2001 / 12/18/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/17/2001 / 12/18/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/17/2001 / 12/18/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/17/2001 / 12/18/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/17/2001 / 12/18/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/17/2001 / 12/18/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/17/2001 / 12/18/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/17/2001 / 12/18/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/17/2001 / 12/18/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/17/2001 / 12/18/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/17/2001 / 12/18/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/17/2001 / 12/18/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/17/2001 / 12/18/2001



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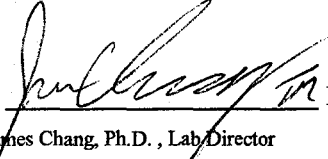
**ORGANIC REPORT**

WDNR# 241340550

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

BATCH NUMBER: 20010986  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 10-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID: 12/10/2001  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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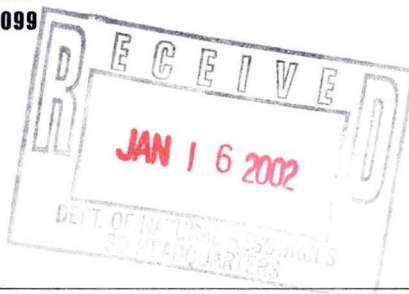
Approved By:  Date: 1/2/02  
 James Chang, Ph.D., Lab Director

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



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011006  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 26896									
Client ID: 011217									
QC Prep Batch Number: 999341									
Collection: 12/17/2001									
Time: 10:34									
Sample Description: WA01P									
1,1,1,2-Tetrachloroethane	<1.1	ug/l	1.1	3.5	5		8260	qh	12/21/2001 / 12/21/2001
1,1,1-Trichloroethane	86	ug/l	1.6	4.9	5		8260	qh	12/21/2001 / 12/21/2001
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	12/21/2001 / 12/21/2001
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	12/21/2001 / 12/21/2001
1,1-Dichloroethane	3.6	ug/l	1.6	5.1	5	J	8260	qh	12/21/2001 / 12/21/2001
1,1-Dichloroethene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/21/2001 / 12/21/2001
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	qh	12/21/2001 / 12/21/2001
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	qh	12/21/2001 / 12/21/2001
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	qh	12/21/2001 / 12/21/2001
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	qh	12/21/2001 / 12/21/2001
1,2,4-Trimethylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	12/21/2001 / 12/21/2001
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	qh	12/21/2001 / 12/21/2001
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/21/2001 / 12/21/2001
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	qh	12/21/2001 / 12/21/2001
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	qh	12/21/2001 / 12/21/2001
1,3,5-Trimethylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/21/2001 / 12/21/2001
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	12/21/2001 / 12/21/2001
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	12/21/2001 / 12/21/2001
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	12/21/2001 / 12/21/2001
1,2-Dibromo-3-chloropropane	<1.7	ug/l	1.7	5.2	5		8260	qh	12/21/2001 / 12/21/2001
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	12/21/2001 / 12/21/2001
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	12/21/2001 / 12/21/2001
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	12/21/2001 / 12/21/2001
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	12/21/2001 / 12/21/2001
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	12/21/2001 / 12/21/2001
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	12/21/2001 / 12/21/2001
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	12/21/2001 / 12/21/2001
Benzene	<1.4	ug/l	1.4	4.3	5		8260	qh	12/21/2001 / 12/21/2001
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/21/2001 / 12/21/2001
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	12/21/2001 / 12/21/2001
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	12/21/2001 / 12/21/2001
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	12/21/2001 / 12/21/2001
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	12/21/2001 / 12/21/2001
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	12/21/2001 / 12/21/2001
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	12/21/2001 / 12/21/2001
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	12/21/2001 / 12/21/2001
Chloroform	<1.2	ug/l	1.2	3.8	5		8260	qh	12/21/2001 / 12/21/2001
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	qh	12/21/2001 / 12/21/2001
cis-1,2-Dichloroethene	20	ug/l	1.4	4.3	5		8260	qh	12/21/2001 / 12/21/2001
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	qh	12/21/2001 / 12/21/2001
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	qh	12/21/2001 / 12/21/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011006  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	qh	12/21/2001 / 12/21/2001
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	12/21/2001 / 12/21/2001
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/21/2001 / 12/21/2001
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	12/21/2001 / 12/21/2001
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	12/21/2001 / 12/21/2001
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	12/21/2001 / 12/21/2001
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	12/21/2001 / 12/21/2001
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	12/21/2001 / 12/21/2001
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	12/21/2001 / 12/21/2001
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	12/21/2001 / 12/21/2001
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	12/21/2001 / 12/21/2001
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	12/21/2001 / 12/21/2001
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/21/2001 / 12/21/2001
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/21/2001 / 12/21/2001
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/21/2001 / 12/21/2001
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/21/2001 / 12/21/2001
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	12/21/2001 / 12/21/2001
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/21/2001 / 12/21/2001
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	12/21/2001 / 12/21/2001
trans-1,2-Dichloroethene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/21/2001 / 12/21/2001
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	qh	12/21/2001 / 12/21/2001
Trichloroethene	302	ug/l	1.7	5.4	5		8260	qh	12/21/2001 / 12/21/2001
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	qh	12/21/2001 / 12/21/2001
Vinyl chloride	<1.0	ug/l	1.0	3.2	5		8260	qh	12/21/2001 / 12/21/2001

Sample Number: 26900

QC Prep Batch Number: 999341

Collection: 12/17/2001

Time: 10:32

Client ID: 011217

Sample Description: WA07P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	12/21/2001 / 12/21/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	12/21/2001 / 12/21/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/21/2001 / 12/21/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/21/2001 / 12/21/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/21/2001 / 12/21/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	12/21/2001 / 12/21/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	12/21/2001 / 12/21/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	12/21/2001 / 12/21/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	12/21/2001 / 12/21/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	12/21/2001 / 12/21/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	12/21/2001 / 12/21/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/21/2001 / 12/21/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011006  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		12/21/2001 / 12/21/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1	8260	qh		12/21/2001 / 12/21/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		12/21/2001 / 12/21/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		12/21/2001 / 12/21/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		12/21/2001 / 12/21/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		12/21/2001 / 12/21/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		12/21/2001 / 12/21/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		12/21/2001 / 12/21/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		12/21/2001 / 12/21/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		12/21/2001 / 12/21/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	qh		12/21/2001 / 12/21/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		12/21/2001 / 12/21/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		12/21/2001 / 12/21/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		12/21/2001 / 12/21/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		12/21/2001 / 12/21/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		12/21/2001 / 12/21/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		12/21/2001 / 12/21/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		12/21/2001 / 12/21/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		12/21/2001 / 12/21/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		12/21/2001 / 12/21/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		12/21/2001 / 12/21/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	qh		12/21/2001 / 12/21/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	qh		12/21/2001 / 12/21/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	qh		12/21/2001 / 12/21/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	qh		12/21/2001 / 12/21/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		12/21/2001 / 12/21/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	qh		12/21/2001 / 12/21/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	qh		12/21/2001 / 12/21/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	qh		12/21/2001 / 12/21/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	qh		12/21/2001 / 12/21/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		12/21/2001 / 12/21/2001
Styrene	< 0.25	ug/l	0.25	0.80	1	8260	qh		12/21/2001 / 12/21/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		12/21/2001 / 12/21/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	qh		12/21/2001 / 12/21/2001
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	qh		12/21/2001 / 12/21/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	qh		12/21/2001 / 12/21/2001





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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011006  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		12/21/2001 / 12/21/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	qh		12/21/2001 / 12/21/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	qh		12/21/2001 / 12/21/2001

Sample Number: 26901

QC Prep Batch Number: 999341

Collection: 12/17/2001

Time: 10:38

Client ID: 011217

Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1	8260	qh		12/21/2001 / 12/21/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1	8260	qh		12/21/2001 / 12/21/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh		12/21/2001 / 12/21/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh		12/21/2001 / 12/21/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1	8260	qh		12/21/2001 / 12/21/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	qh		12/21/2001 / 12/21/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	qh		12/21/2001 / 12/21/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	qh		12/21/2001 / 12/21/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	qh		12/21/2001 / 12/21/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	qh		12/21/2001 / 12/21/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		12/21/2001 / 12/21/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1	8260	qh		12/21/2001 / 12/21/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		12/21/2001 / 12/21/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		12/21/2001 / 12/21/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		12/21/2001 / 12/21/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		12/21/2001 / 12/21/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		12/21/2001 / 12/21/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		12/21/2001 / 12/21/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		12/21/2001 / 12/21/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		12/21/2001 / 12/21/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	qh		12/21/2001 / 12/21/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		12/21/2001 / 12/21/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		12/21/2001 / 12/21/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011006  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	12/21/2001 / 12/21/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	12/21/2001 / 12/21/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	12/21/2001 / 12/21/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	12/21/2001 / 12/21/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	12/21/2001 / 12/21/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	12/21/2001 / 12/21/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	12/21/2001 / 12/21/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	12/21/2001 / 12/21/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	12/21/2001 / 12/21/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	12/21/2001 / 12/21/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/21/2001 / 12/21/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/21/2001 / 12/21/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	12/21/2001 / 12/21/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	12/21/2001 / 12/21/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	12/21/2001 / 12/21/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	12/21/2001 / 12/21/2001

Sample Number: 26902

QC Prep Batch Number: 999341

Collection: 12/17/2001

Time: 10:40

Client ID: 011217

Sample Description: WA09P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	12/21/2001 / 12/21/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	12/21/2001 / 12/21/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/21/2001 / 12/21/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/21/2001 / 12/21/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/21/2001 / 12/21/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	12/21/2001 / 12/21/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	12/21/2001 / 12/21/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	12/21/2001 / 12/21/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	12/21/2001 / 12/21/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011006  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	12/21/2001 / 12/21/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	12/21/2001 / 12/21/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/21/2001 / 12/21/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	12/21/2001 / 12/21/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	12/21/2001 / 12/21/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	12/21/2001 / 12/21/2001
1,2-Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	12/21/2001 / 12/21/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	12/21/2001 / 12/21/2001
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	12/21/2001 / 12/21/2001
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	12/21/2001 / 12/21/2001
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	12/21/2001 / 12/21/2001
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	12/21/2001 / 12/21/2001
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/21/2001 / 12/21/2001
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	12/21/2001 / 12/21/2001
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	12/21/2001 / 12/21/2001
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	12/21/2001 / 12/21/2001
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	12/21/2001 / 12/21/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	12/21/2001 / 12/21/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	12/21/2001 / 12/21/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	12/21/2001 / 12/21/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	12/21/2001 / 12/21/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	12/21/2001 / 12/21/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	12/21/2001 / 12/21/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	12/21/2001 / 12/21/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	12/21/2001 / 12/21/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	12/21/2001 / 12/21/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/21/2001 / 12/21/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001

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



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011006  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	<0.25	ug/l	0.25	0.80	1	8260	qh		12/21/2001 / 12/21/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1	8260	qh		12/21/2001 / 12/21/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1	8260	qh		12/21/2001 / 12/21/2001
Toluene	<0.29	ug/l	0.29	0.92	1	8260	qh		12/21/2001 / 12/21/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1	8260	qh		12/21/2001 / 12/21/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1	8260	qh		12/21/2001 / 12/21/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1	8260	qh		12/21/2001 / 12/21/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1	8260	qh		12/21/2001 / 12/21/2001

Sample Number: 26903

QC Prep Batch Number: 999341

Collection: 12/17/2001

Time:

Client ID: TRIP BLANK

Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1	8260	qh		12/21/2001 / 12/21/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1	8260	qh		12/21/2001 / 12/21/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1	8260	qh		12/21/2001 / 12/21/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1	8260	qh		12/21/2001 / 12/21/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1	8260	qh		12/21/2001 / 12/21/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1	8260	qh		12/21/2001 / 12/21/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1	8260	qh		12/21/2001 / 12/21/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1	8260	qh		12/21/2001 / 12/21/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1	8260	qh		12/21/2001 / 12/21/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1	8260	qh		12/21/2001 / 12/21/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1	8260	qh		12/21/2001 / 12/21/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1	8260	qh		12/21/2001 / 12/21/2001
1,2-Dibromo-3-chloropropane	<0.33	ug/l	0.33	1.0	1	8260	qh		12/21/2001 / 12/21/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1	8260	qh		12/21/2001 / 12/21/2001
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1	8260	qh		12/21/2001 / 12/21/2001
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1	8260	qh		12/21/2001 / 12/21/2001
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1	8260	qh		12/21/2001 / 12/21/2001
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1	8260	qh		12/21/2001 / 12/21/2001
Acetone	<1.6	ug/l	1.6	4.9	1	8260	qh		12/21/2001 / 12/21/2001
Benzene	<0.27	ug/l	0.27	0.86	1	8260	qh		12/21/2001 / 12/21/2001
Bromobenzene	<0.31	ug/l	0.31	0.99	1	8260	qh		12/21/2001 / 12/21/2001
Bromochloromethane	<0.37	ug/l	0.37	1.2	1	8260	qh		12/21/2001 / 12/21/2001
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1	8260	qh		12/21/2001 / 12/21/2001



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011006  
DATE REPORTED: 02-Jan-02  
DATE RECEIVED: 18-Dec-01  
SAMPLE TEMP (C): Rec On Ice  
PROJECT ID:  
PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/21/2001 / 12/21/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/21/2001 / 12/21/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/21/2001 / 12/21/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/21/2001 / 12/21/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/21/2001 / 12/21/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/21/2001 / 12/21/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/21/2001 / 12/21/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/21/2001 / 12/21/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/21/2001 / 12/21/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/21/2001 / 12/21/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/21/2001 / 12/21/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/21/2001 / 12/21/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/21/2001 / 12/21/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/21/2001 / 12/21/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/21/2001 / 12/21/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/21/2001 / 12/21/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/21/2001 / 12/21/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/21/2001 / 12/21/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/21/2001 / 12/21/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/21/2001 / 12/21/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/21/2001 / 12/21/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/21/2001 / 12/21/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/21/2001 / 12/21/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/21/2001 / 12/21/2001



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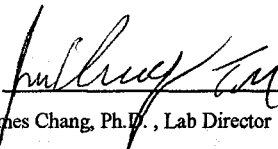
Dr. James Chang  
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 Milwaukee, WI 53223

**ORGANIC REPORT**

WDNR# 241340550

BATCH NUMBER: 20011006  
 DATE REPORTED: 02-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date	Ext/Anal
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Approved By:  Date: 1/2/02  
 James Chang, Ph.D., Lab Director

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



# INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20011006  
 DATE REPORTED: 04-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Dr. James Chang  
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Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 26895		Matrix: GW						Collection: 12/17/2001	Time: 10:43	
Client ID: 011217								Sample Description: WA09R		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/24/2001	999295	
Barium - ICAP	<0.007	mg/l	RJ	0.007	0.02	200.7	ez	12/26/2001	999313	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/28/2001	999340	
Cadmium-Total Recoverable	0	ug/l		0.4	1.3	7131				Preliminary Data
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/26/2001	999313	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/26/2001	999313	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	12/26/2001	999313	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/27/2001	999318	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/26/2001	999313	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/21/2001	999281	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	12/26/2001	999313	
Selenium - Furnace AA	7.7	ug/l	J RJ	4.8	15	270.2	bb	12/26/2001	999312	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/26/2001	999313	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/26/2001	999308	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/26/2001	999313	

Sample Number: 26896		Matrix: GW						Collection: 12/17/2001	Time: 10:34	
Client ID: 011217								Sample Description: WA01P		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	12/24/2001	999295	
Barium - ICAP	0.13	mg/l	RJ	0.007	0.02	200.7	ez	12/26/2001	999313	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/28/2001	999340	Preliminary Data
Cadmium-Total Recoverable	0	ug/l		0.4	1.3	7131				Preliminary Data
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	12/26/2001	999313	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	12/26/2001	999313	
Iron - ICAP	1.1	mg/l	RJ	0.081	0.26	200.7	ez	12/26/2001	999313	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	12/27/2001	999318	
Manganese - ICAP	0.18	mg/l	RJ	0.006	0.02	200.7	ez	12/26/2001	999313	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	12/21/2001	999281	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	12/26/2001	999313	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	12/26/2001	999312	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	12/26/2001	999313	



# INORGANIC REPORT

WDNR# 241340550

**Dr. James Chang**  
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 Milwaukee, WI 53223

INVOICE NUMBER: 20011006  
 DATE REPORTED: 04-Jan-02  
 DATE RECEIVED: 18-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	12/26/2001	999308	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	12/26/2001	999313	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/18/2001	999372	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	1/2/2002	999370	
Cyanide, Total	0.008	mg/l	J RJ	0.006	0.02	335.2	bb	1/2/2002	999369	
pH (water)	7	s.u.	# RJ			150.1	dg	12/18/2001	999256	

Sample Number: 26897

Matrix: GW

Client ID: 011217

Collection: 12/17/2001 Time: 10:45

Sample Description: WA02P

pH (water) 9.5 s.u. # RJ 150.1

dg 12/18/2001 999256

Sample Number: 26898

Matrix: GW

Client ID: 011217

Collection: 12/17/2001 Time: 10:47

Sample Description: WA03P

pH (water) 12 s.u. # RJ 150.1

dg 12/17/2001 999257

Sample Number: 26899

Matrix: GW

Client ID: 011217

Collection: 12/17/2001 Time: 10:30

Sample Description: WA05P

pH (water) 7.4 s.u. # RJ 150.1

dg 12/17/2001 999257

Sample Number: 26902

Matrix: GW

Client ID: 011217

Collection: 12/17/2001 Time: 10:40

Sample Description: WA09P

Chromium, Hexavalent <0.0042 mg/l RJ 0.004 0.01 SM 3500D ta 12/18/2001 999374

Cyanide, Amenable <0.006 mg/l RJ 0.006 0.02 335.2 bb 1/2/2002 999370

Cyanide, Total <0.006 mg/l RJ 0.006 0.02 335.2 bb 1/2/2002 999369

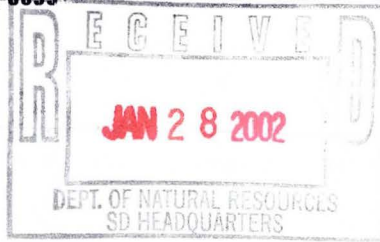
pH (water) 7.4 s.u. # RJ 150.1 dg 12/17/2001 999257





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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 27019									
Client ID: 011226									
QC Prep Batch Number: 999440									
Collection: 12/26/2001									
Time: 09:30									
Sample Description: WA01P									
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	12/28/2001 / 12/28/01
1,1,1-Trichloroethane	113	ug/l	1.6	4.9	5		8260	qh	12/28/2001 / 12/28/01
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	12/28/2001 / 12/28/01
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	12/28/2001 / 12/28/01
1,1-Dichloroethane	1.9	ug/l	1.6	5.1	5	J	8260	qh	12/28/2001 / 12/28/01
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	12/28/2001 / 12/28/01
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	12/28/2001 / 12/28/01
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	12/28/2001 / 12/28/01
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	12/28/2001 / 12/28/01
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	12/28/2001 / 12/28/01
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	12/28/2001 / 12/28/01
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	12/28/2001 / 12/28/01
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	12/28/2001 / 12/28/01
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	12/28/2001 / 12/28/01
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	12/28/2001 / 12/28/01
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	12/28/2001 / 12/28/01
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	12/28/2001 / 12/28/01
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	12/28/2001 / 12/28/01
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	12/28/2001 / 12/28/01
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	qh	12/28/2001 / 12/28/01
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	12/28/2001 / 12/28/01
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	12/28/2001 / 12/28/01
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	12/28/2001 / 12/28/01
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	12/28/2001 / 12/28/01
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	12/28/2001 / 12/28/01
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	12/28/2001 / 12/28/01
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	12/28/2001 / 12/28/01
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	12/28/2001 / 12/28/01
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	12/28/2001 / 12/28/01
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	12/28/2001 / 12/28/01
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	12/28/2001 / 12/28/01
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	12/28/2001 / 12/28/01
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	12/28/2001 / 12/28/01
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	12/28/2001 / 12/28/01
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	12/28/2001 / 12/28/01
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	12/28/2001 / 12/28/01
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	12/28/2001 / 12/28/01
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	12/28/2001 / 12/28/01
cis-1,2-Dichloroethene	6.5	ug/l	1.4	4.3	5		8260	qh	12/28/2001 / 12/28/01
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	12/28/2001 / 12/28/01
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	12/28/2001 / 12/28/01



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	qh	12/28/2001 / 12/28/01
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	12/28/2001 / 12/28/01
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/28/2001 / 12/28/01
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	12/28/2001 / 12/28/01
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	12/28/2001 / 12/28/01
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	12/28/2001 / 12/28/01
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	12/28/2001 / 12/28/01
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	12/28/2001 / 12/28/01
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	12/28/2001 / 12/28/01
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	12/28/2001 / 12/28/01
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	12/28/2001 / 12/28/01
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	12/28/2001 / 12/28/01
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/28/2001 / 12/28/01
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/28/2001 / 12/28/01
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	12/28/2001 / 12/28/01
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/28/2001 / 12/28/01
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	12/28/2001 / 12/28/01
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	qh	12/28/2001 / 12/28/01
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	12/28/2001 / 12/28/01
trans-1,2-Dichloroethene	<1.3	ug/l	1.3	4.0	5		8260	qh	12/28/2001 / 12/28/01
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	qh	12/28/2001 / 12/28/01
Trichloroethene	371	ug/l	1.7	5.4	5		8260	qh	12/28/2001 / 12/28/01
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	qh	12/28/2001 / 12/28/01
Vinyl chloride	<1.0	ug/l	1.0	3.2	5		8260	qh	12/28/2001 / 12/28/01

Sample Number: 27023

QC Prep Batch Number: 999440

Collection: 12/26/2001

Time: 09:26

Client ID: 011226

Sample Description: WA07P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	12/28/2001 / 12/28/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	12/28/2001 / 12/28/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	12/28/2001 / 12/28/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	12/28/2001 / 12/28/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/28/2001 / 12/28/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/28/2001 / 12/28/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/28/2001 / 12/28/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/28/2001 / 12/28/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/28/2001 / 12/28/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/28/2001 / 12/28/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/28/2001 / 12/28/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/28/2001 / 12/28/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/28/2001 / 12/28/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/28/2001 / 12/28/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/28/2001 / 12/28/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/28/2001 / 12/28/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/28/2001 / 12/28/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/28/2001 / 12/28/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/28/2001 / 12/28/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/28/2001 / 12/28/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/28/2001 / 12/28/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/28/2001 / 12/28/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/28/2001 / 12/28/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001

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



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/28/2001 / 12/28/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/28/2001 / 12/28/2001

Sample Number: 27024

QC Prep Batch Number: 999440

Collection: 12/26/2001

Time: 09:28

Client ID: 011226

Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/28/2001 / 12/28/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/28/2001 / 12/28/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/28/2001 / 12/28/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/28/2001 / 12/28/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/28/2001 / 12/28/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/28/2001 / 12/28/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/28/2001 / 12/28/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/28/2001 / 12/28/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/28/2001 / 12/28/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/28/2001 / 12/28/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/28/2001 / 12/28/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/28/2001 / 12/28/2001



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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	12/28/2001 / 12/28/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	12/28/2001 / 12/28/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	12/28/2001 / 12/28/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	12/28/2001 / 12/28/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	12/28/2001 / 12/28/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	12/28/2001 / 12/28/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	12/28/2001 / 12/28/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	12/28/2001 / 12/28/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	12/28/2001 / 12/28/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	12/28/2001 / 12/28/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	12/28/2001 / 12/28/2001
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	12/28/2001 / 12/28/2001
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	12/28/2001 / 12/28/2001

Sample Number: 27025

QC Prep Batch Number: 999440

Collection: 12/26/2001

Time: 09:35

Client ID: 011226

Sample Description: WA09P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	12/28/2001 / 12/28/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	12/28/2001 / 12/28/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	12/28/2001 / 12/28/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	12/28/2001 / 12/28/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001



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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011032  
DATE REPORTED: 24-Jan-02  
DATE RECEIVED: 26-Dec-01  
SAMPLE TEMP (C): Rec On Ice  
PROJECT ID:  
PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/28/2001 / 12/28/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/28/2001 / 12/28/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/28/2001 / 12/28/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/28/2001 / 12/28/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/28/2001 / 12/28/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/28/2001 / 12/28/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/28/2001 / 12/28/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/28/2001 / 12/28/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/28/2001 / 12/28/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/28/2001 / 12/28/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/28/2001 / 12/28/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/28/2001 / 12/28/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/28/2001 / 12/28/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/28/2001 / 12/28/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/28/2001 / 12/28/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/28/2001 / 12/28/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/28/2001 / 12/28/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/28/2001 / 12/28/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001

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# ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/28/2001 / 12/28/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/28/2001 / 12/28/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/28/2001 / 12/28/2001

Sample Number: 27026

QC Prep Batch Number: 999440

Collection: 12/26/2001

Time:

Client ID: TRIP BLK

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	12/28/2001 / 12/28/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	12/28/2001 / 12/28/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	12/28/2001 / 12/28/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	12/28/2001 / 12/28/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	12/28/2001 / 12/28/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	12/28/2001 / 12/28/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/28/2001 / 12/28/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/28/2001 / 12/28/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	12/28/2001 / 12/28/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	12/28/2001 / 12/28/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	12/28/2001 / 12/28/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	12/28/2001 / 12/28/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	12/28/2001 / 12/28/2001

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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	12/28/2001 / 12/28/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	12/28/2001 / 12/28/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/28/2001 / 12/28/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	12/28/2001 / 12/28/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	12/28/2001 / 12/28/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	12/28/2001 / 12/28/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	12/28/2001 / 12/28/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	12/28/2001 / 12/28/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	12/28/2001 / 12/28/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	12/28/2001 / 12/28/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	12/28/2001 / 12/28/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	12/28/2001 / 12/28/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	12/28/2001 / 12/28/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	12/28/2001 / 12/28/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	12/28/2001 / 12/28/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	12/28/2001 / 12/28/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	12/28/2001 / 12/28/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	12/28/2001 / 12/28/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	12/28/2001 / 12/28/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	12/28/2001 / 12/28/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	12/28/2001 / 12/28/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	12/28/2001 / 12/28/2001





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## ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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

Date: 1/24/02

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ =  $10 (S) \times \text{Dilution Factor}$ , where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD =  $3.143 (S) \times \text{Dilution Factor}$ , where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

"O" = Significant peaks outside of the GRO or DRO retention time windows

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



# INORGANIC REPORT

Dr. James Chang  
 APL Environmental  
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 Milwaukee, WI 53223

WDNR# 241340550

INVOICE NUMBER 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments	
Sample Number: 27018		Matrix: GW									
Client ID: 011226									Collection: 12/26/2001	Time: 09:38	
Sample Description: WA09R											
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	1/9/2002	999418		
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	ez	1/9/2002	999410		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/28/2001	999340		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	1/9/2002	999410		
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	1/9/2002	999410		
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	1/9/2002	999410		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	1/7/2002	999394		
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	1/9/2002	999410		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	1/4/2002	999384		
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	1/9/2002	999410		
Selenium - Furnace AA	7.2	ug/l	J RJ	4.8	15	270.2	bb	1/9/2002	999397		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	1/9/2002	999410		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	1/10/2002	999423		
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	1/9/2002	999410		

Sample Number: 27019		Matrix: GW									
Client ID: 011226									Collection: 12/26/2001	Time: 09:30	
Sample Description: WA01P											
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	1/9/2002	999418		
Barium - ICAP	0.13	mg/l	RJ	0.007	0.02	200.7	ez	1/9/2002	999410		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	12/28/2001	999340		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	1/9/2002	999410		
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	1/9/2002	999410		
Iron - ICAP	1.1	mg/l	RJ	0.081	0.26	200.7	ez	1/9/2002	999410		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	1/7/2002	999394		
Manganese - ICAP	0.17	mg/l	RJ	0.006	0.02	200.7	ez	1/9/2002	999410		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	1/4/2002	999384		
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	ez	1/9/2002	999410		
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	1/9/2002	999397		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	1/9/2002	999410		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	1/10/2002	999423		
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	1/9/2002	999410		

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# INORGANIC REPORT

Dr. James Chang  
 APL Environmental  
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WDNR# 241340550

INVOICE NUMBER 20011032  
 DATE REPORTED: 24-Jan-02  
 DATE RECEIVED: 26-Dec-01  
 SAMPLE TEMP (C): Rec On Ice  
 PROJECT ID:  
 PROJECT NAME: OGTP

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	12/23/2001	999512	Preliminary Data
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	1/2/2002	999370	Preliminary Data
Cyanide, Total	0.008	mg/l	J RJ	0.006	0.02	335.2	bb	1/2/2002	999369	Preliminary Data
pH (water)	0	s.u.	# RJ			150.1	bb	1/2/2002	999342	Preliminary Data

Sample Number: 27020  
 Client ID: 011226

Matrix: GW

Collection: 12/26/2001 Time: 09:20  
 Sample Description: WA02P

pH (water)	0	s.u.	# RJ			150.1	bb	1/2/2002	999342	Preliminary Data
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Sample Number: 27021  
 Client ID: 011226

Matrix: GW

Collection: 12/26/2001 Time: 09:22  
 Sample Description: WA03P

pH (water)	0	s.u.	# RJ			150.1	bb	1/2/2002	999342	Preliminary Data
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Sample Number: 27022  
 Client ID: 011226

Matrix: GW

Collection: 12/26/2001 Time: 09:24  
 Sample Description: WA05P

pH (water)	0	s.u.	# RJ			150.1	bb	1/2/2002	999342	Preliminary Data
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Sample Number: 27025  
 Client ID: 011226

Matrix: GW

Collection: 12/26/2001 Time: 09:35  
 Sample Description: WA09P

Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	12/23/2001	999512	Preliminary Data
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	1/2/2002	999370	Preliminary Data
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	1/2/2002	999369	Preliminary Data
pH (water)	0	s.u.	# RJ			150.1	bb	1/2/2002	999342	Preliminary Data



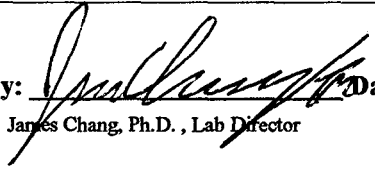
# INORGANIC REPORT

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8222 W. Calumet Road  
Milwaukee, WI 53223

WDNR# 241340550

INVOICE NUMBER 20011032  
DATE REPORTED: 24-Jan-02  
DATE RECEIVED: 26-Dec-01  
SAMPLE TEMP (C): Rec On Ice  
PROJECT ID:  
PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By:  Date: 1/24/02  
James Chang, Ph.D., Lab Director

**RJ** Result expressed as Total.

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